INDEX TO VOLUME 17

AUTHOR INDEX

ADAMS, D. D., and PURVES, H. D.: The change in thyroidal I^{131} content between 8 and 48 hours as an index of thyroid activity, 126
ADAMS, W. S., *see* SKOOG, W. A., 364
ALBEAUX-FERNET, M.; BUGARD, P., and ROMANI, J.D.: Excretion of urinary corticoids in conditions of chronic asthenia, 519
ANDREOLI, C., and DELLA, PORTA, M.: Cyclic changes in female saliva (Letter to the Editor), 913
ALPERS, J. B., *see* RALL, J. E., 1263
ARIAS BELLINI, M., *see* LORENZO Y LOSADA, H., JR., 133
ARONS, W. L., *see* HYDOVITZ, J. D., 1332
ARRONET, G. H., and LATOUR, J. P. A: Studies on endometrial glycogen, 261
ASSIS, L. M., *see* FLOSI, A. Z., 994

BALLARD, A., *see* PLAGER, J. E., 1
BARNES, B. A.; KRANE, S. M., and COPE, O.: Magnesium studies in relation to hyperparathyroidism, 1407
BARR, R. W., and SOMMERS, S. C.: Endocrine abnormalities accompanying hepatic cirrhosis and hepatoma, 1017
BAULIEU, E.-E.; DE VIGAN, M.; BRICAIRE, H., and JAYLE, M.-F.: Lack of plasma cortisol and urinary aldosterone in a pregnant woman with Addison's disease (Letter to the Editor), 1478
BEAHRS, O. H., *see* WOOLNER, L. B., 201, 1202
BECK, J. C., *see* LEITH, W., 280
——, *see* VENNING, E. H., 1005
BECKER, D. V., *see* BERMAN, M., 1222
BENUA, R. S., *see* BERMAN, M., 1222
BERGENSTAL, D. M., *see* LANDAU, R. L., 177
——, *see* WERBIN, H., 337
BERGER, E., *see* SPENCER, H., 975
BERGSTRAND, C. G., and GEMZELL, C. A.: Pregnanediol excretion in normal children and in children with various endocrine disorders, including congenital adrenal hyperplasia, 870
BERMAN, M.; BECKER, D. V., and BENUA, R. S.: The use of I^{133} in the treatment of Graves' disease, 1222
——, *see* RALL, J. E., 1263
BLACK, B. M., *see* WALT, A. J., 45
BLACKBURN, C. M., *see* FOWLER, W. S., 786
BLANC, W. A., *see* GRUMBACH, M. M., 703
BLISS, E. L., and MIGEON, C. J.: Endocrinology of anorexia nervosa, 766
BLOCK, R. J., *see* WERNER, S. C., 817, 1141
BLOISE, W., *see* FLOSI, A. Z., 994
BONDY, P. K., *see* MAN, E. B., 1373
BONGIOVANNI, A. M., and EBERLEIN, W. R.: The renal clearance of neutral 17-ketosteroids in man, 238
——; EBERLEIN, W. R., and THOMAS, P. Z.: Use of an organic base in the Zimmermann reaction (Letter to the Editor), 331
BOUCOT, N., *see* DOHAN, F. C., 8
BRICAIRE, H., *see* BAULIEU, E.-E., 1478
BRONSKY, D.; DUBIN, A.: KUSHNER, D. S., and de la HUERGA, J.: Mucroproteins in thyroid and parathyroid disease: clinical and experimental studies, 1422
BROWN, D. M., *see* PERKOFF, G. T., 1489
BROWN, H.; ENGLERT, E., JR.; WALLACH, S., and SIMONS, E. L.: Metabolism of free and conjugated 17-hydroxycorticosteroids in normal subjects, 1191
——, *see* ENGLERT, E., JR., 1395
——, *see* WALLACH, S., 945
BROWN, P. S.: Synergism and strain differences in the assay of urinary gonadotropins (Letter to the Editor), 805
BUGARD, P., *see* ALBEAUX-FERNET, M., 519
BULASCHENKO, H., *see* TOCUHSTONE, J. C., 250
BURR, J. M., *see* HILLS, A. G., 1472
BURTON, R. B., *see* IZZO, A. J., 889
BURTON, S. D., *see* ROBBINS, E. D., 111
BUSTOS, J. G., *see* KURLAND, G. S., 1365
BYERS, S. O., *see* ROBBINS, E. D., 111

CALDEYRO-BARCIA, R., *see* MÉNDEZ BAUER, C. J., 884
CALIGARIS, L. C. S., *see* VENNING, E. H., 473
CAREN, R., and CORBO, L.: Pyrimidine metabolism in diabetes mellitus studied with the uracil tolerance test, 1071
CAVIGLIA STARICCO, E., *see* LORENZO y LOSADA, H., JR., 133
CERVIÑO, J. M., *see* LORENZO Y LOSADA, H., JR., 133
CHANG, E., *see* SANDBERG, A. A., 437
CHANNICK, B. J., *see* NODINE, J. H., 832
CHARLES, M. L., *see* SPENCER, H., 975
CHUDZIK, E. B., *see* SHIPLEY, R. A., 1229
CLAMEN, M., *see* MCCULLAGH, E. P., 1277
CLARK, R. E., and SHIPLEY, R. A.: Thyroidal uptake of I^{131} after iopanoic acid (Telepaque) in 74 subjects (Letter to the Editor), 1008
CLAYTON, G. W.; O'HEERON, M. K.; SMITH, J. D., and GRABSTALD, H.: A case of true hermaphrodism: possible relationship to Klinefelter's syndrome (Letter to the Editor), 1002
COELHO NETTO, A. S., *see* FLOSI, A. Z., 994
COLEMAN, J., *see* CRISPELL, K. R., 1305
COLL, E., *see* ROCHE, M., 99
COOPER, G., *see* JEFFERIES, W. MCK., 186
COPE, O., *see* BARNES, B. A., 1407
CORBO, L., *see* CAREN, R., 1701
COSTA, A.: Has endemic cretinism any relation to thyroid deficiency? (Letter to the Editor), 801
CRISPELL, K. R.; COLEMAN, J., and HYER, H.: Factors affecting the binding capacity of

INDEX TO VOLUME 17

AUTHOR INDEX

ADAMS, D. D., and PURVES, H. D.: The change in thyroidal I^{131} content between 8 and 48 hours as an index of thyroid activity, 126
ADAMS, W. S., *see* SKOOG, W. A., 364
ALBEAUX-FERNET, M.; BUGARD, P., and ROMANI, J.D.: Excretion of urinary corticoids in conditions of chronic asthenia, 519
ANDREOLI, C., and DELLA, PORTA, M.: Cyclic changes in female saliva (Letter to the Editor), 913
ALPERS, J. B., *see* RALL, J. E., 1263
ARIAS BELLINI, M., *see* LORENZO Y LOSADA, H., JR., 133
ARONS, W. L., *see* HYDOVITZ, J. D., 1332
ARRONET, G. H., and LATOUR, J. P. A: Studies on endometrial glycogen, 261
ASSIS, L. M., *see* FLOSI, A. Z., 994

BALLARD, A., *see* PLAGER, J. E., 1
BARNES, B. A.; KRANE, S. M., and COPE, O.: Magnesium studies in relation to hyperparathyroidism, 1407
BARR, R. W., and SOMMERS, S. C.: Endocrine abnormalities accompanying hepatic cirrhosis and hepatoma, 1017
BAULIEU, E.-E.; DE VIGAN, M.; BRICAIRE, H., and JAYLE, M.-F.: Lack of plasma cortisol and urinary aldosterone in a pregnant woman with Addison's disease (Letter to the Editor), 1478
BEAHRS, O. H., *see* WOOLNER, L. B., 201, 1202
BECK, J. C., *see* LEITH, W., 280
——, *see* VENNING, E. H., 1005
BECKER, D. V., *see* BERMAN, M., 1222
BENUA, R. S., *see* BERMAN, M., 1222
BERGENSTAL, D. M., *see* LANDAU, R. L., 177
——, *see* WERBIN, H., 337
BERGER, E., *see* SPENCER, H., 975
BERGSTRAND, C. G., and GEMZELL, C. A.: Pregnanediol excretion in normal children and in children with various endocrine disorders, including congenital adrenal hyperplasia, 870
BERMAN, M.; BECKER, D. V., and BENUA, R. S.: The use of I^{133} in the treatment of Graves' disease, 1222
——, *see* RALL, J. E., 1263
BLACK, B. M., *see* WALT, A. J., 45
BLACKBURN, C. M., *see* FOWLER, W. S., 786
BLANC, W. A., *see* GRUMBACH, M. M., 703
BLISS, E. L., and MIGEON, C. J.: Endocrinology of anorexia nervosa, 766
BLOCK, R. J., *see* WERNER, S. C., 817, 1141
BLOISE, W., *see* FLOSI, A. Z., 994
BONDY, P. K., *see* MAN, E. B., 1373
BONGIOVANNI, A. M., and EBERLEIN, W. R.: The renal clearance of neutral 17-ketosteroids in man, 238
——; EBERLEIN, W. R., and THOMAS, P. Z.: Use of an organic base in the Zimmermann reaction (Letter to the Editor), 331
BOUCOT, N., *see* DOHAN, F. C., 8
BRICAIRE, H., *see* BAULIEU, E.-E., 1478
BRONSKY, D.; DUBIN, A.: KUSHNER, D. S., and de la HUERGA, J.: Mucroproteins in thyroid and parathyroid disease: clinical and experimental studies, 1422
BROWN, D. M., *see* PERKOFF, G. T., 1489
BROWN, H.; ENGLERT, E., JR.; WALLACH, S., and SIMONS, E. L.: Metabolism of free and conjugated 17-hydroxycorticosteroids in normal subjects, 1191
——, *see* ENGLERT, E., JR., 1395
——, *see* WALLACH, S., 945
BROWN, P. S.: Synergism and strain differences in the assay of urinary gonadotropins (Letter to the Editor), 805
BUGARD, P., *see* ALBEAUX-FERNET, M., 519
BULASCHENKO, H., *see* TOCUHSTONE, J. C., 250
BURR, J. M., *see* HILLS, A. G., 1472
BURTON, R. B., *see* IZZO, A. J., 889
BURTON, S. D., *see* ROBBINS, E. D., 111
BUSTOS, J. G., *see* KURLAND, G. S., 1365
BYERS, S. O., *see* ROBBINS, E. D., 111

CALDEYRO-BARCIA, R., *see* MÉNDEZ BAUER, C. J., 884
CALIGARIS, L. C. S., *see* VENNING, E. H., 473
CAREN, R., and CORBO, L.: Pyrimidine metabolism in diabetes mellitus studied with the uracil tolerance test, 1071
CAVIGLIA STARICCO, E., *see* LORENZO y LOSADA, H., JR., 133
CERVIÑO, J. M., *see* LORENZO Y LOSADA, H., JR., 133
CHANG, E., *see* SANDBERG, A. A., 437
CHANNICK, B. J., *see* NODINE, J. H., 832
CHARLES, M. L., *see* SPENCER, H., 975
CHUDZIK, E. B., *see* SHIPLEY, R. A., 1229
CLAMEN, M., *see* MCCULLAGH, E. P., 1277
CLARK, R. E., and SHIPLEY, R. A.: Thyroidal uptake of I^{131} after iopanoic acid (Telepaque) in 74 subjects (Letter to the Editor), 1008
CLAYTON, G. W.; O'HEERON, M. K.; SMITH, J. D., and GRABSTALD, H.: A case of true hermaphrodism: possible relationship to Klinefelter's syndrome (Letter to the Editor), 1002
COELHO NETTO, A. S., *see* FLOSI, A. Z., 994
COLEMAN, J., *see* CRISPELL, K. R., 1305
COLL, E., *see* ROCHE, M., 99
COOPER, G., *see* JEFFERIES, W. MCK., 186
COPE, O., *see* BARNES, B. A., 1407
CORBO, L., *see* CAREN, R., 1701
COSTA, A.: Has endemic cretinism any relation to thyroid deficiency? (Letter to the Editor), 801
CRISPELL, K. R.; COLEMAN, J., and HYER, H.: Factors affecting the binding capacity of

human erythrocytes for I^{131}-labeled *l*-thyroxine *l*-triiodothyronine, 1305
——; WILLIAMS, G. A.; PARSON, W., and HOLLIFIELD, G.: Metabolic studies in myxedema following administration of *l*-triiodothyronine: 1) duration of negative nitrogen balance; 2) effect of testosterone propionate; 3) comparison with nitrogen balance in a healthy volunteer, 221
——, *see* WILLIAMS, G. A., 1347
CUPP, C. M., *see* NEWMAN, S., 94
CZERNIAK, P., and HARELL-STEINBERG, A.: The chronology of events in the development of subacute thyroiditis, studied by radioactive iodine, 1448

D'ANGELO, S. A., *see* DI GEORGE, A. M., 842
DAVIS, M. E., and WIED, G. L.: 17-α-Hydroxyprogesterone acetate; an effective progestational substance on oral administration, 1237
DE ANGELIS, R., *see* MÉNDEZ BAUER, C. J., 884
DE BARROS, R. P., *see* FLOSI, A. Z., 994
DE BUÑO, R. B., *see* LORENZO Y LOSADA, H., JR., 133
DE GRAEFF, J.; WIGHT, C. L., and QUERIDO, A.: Metabolic effects of intravenous triiodothyroacetic acid in primary myxedema (Letter to the Editor), 328
DE LA HUERGA. J., *see* BRONSKY, D., 1422
DELLA PORTA, M., *see* ANDREOLI, C., 913
DE VENANZI, F., *see* ROCHE, M., 99
DE VIGAN, M., *see* BAULIEU, E.-E., 1478
DIENGOTT, D., *see* MIRSKY, I. A., 603
DI GEORGE, A. M.; D'ANGELO, S. A., and PASCHKIS, K. E.: Thyro-pituitary relationships in children with cretinism and hypothyroidism, 842
——, and PASCHKIS, K. E.: Sporadic hypothyroidism associated with goiter, 645
DIMICK, D. F., *see* LANDAU, R. L., 177
DOHAN, F. C.; RAVENTOS, A.; BOUCOT, N., and ROSE, E.: Roentgen therapy in Cushing's syndrome without adrenocortical tumor, 8
——, *see* TOUCHSTONE, J. C., 250
DONIACH, D., and ROITT, I. M.: Auto-immunity in Hashimoto's disease and its implications, 1293
DOUGLASS, R. C., and JACOBSON, S. D.: Pathologic changes in adult myxedema: survey of 10 necropsies, 1354
DUBIN, A., *see* BRONSKY, D., 1422
DUBOFF, G. S.: Diurnal 17-ketosteroid excretion and its application to stress and the aging process (Letter to the Editor), 326
DUFFY, B. J., JR.: Can radiation cause thyroid cancer? (Editorial Review), 1383
DUGUID, W. P., *see* GRANT, J. K., 933
DYRENFORTH, L. Y., *see* JUNGCK, E. C., 291
DYRENFURTH, I., *see* VENNING, E. H., 473, 1005

EBERLEIN, W. R.: A compact apparatus for ascending paper chromatography (Letter to the Editor), 1476
——, *see* BONGIOVANNI, A. M., 238, 331
EDWARDS, K. M.; JEPSON, R. P., and REECE, M. W.: Corticosteroid response to surgery: effect of testosterone, 1460
EIK-NES, K.: Determination of 17,21-dihydroxy-20-ketosteroids in blood plasma, 502
——, *see* WALLACH, S., 945
ELMADJIAN, F.; HOPE, J. M., and LAMSON, E. T.: Excretion of epinephrine and norepinephrine in various emotional states, 608
ELMAN, R., *see* WEICHSELBAUM, T. E., 1158
ENGEL, F. L., *see* OWEN, J. A., JR., 272
ENGLE, E. T., *see* GRUMBACH, M. M., 703
ENGLERT, E., JR.; BROWN, H.; WALLACH, S., and SIMONS, E. L.: Metabolism of free and conjugated 17-hydroxycorticosteroids in subjects with liver disease, 1395
——, *see* BROWN, H., 1191
——, *see* WALLACH, S., 945
ENGSTROM, W. W., *see* STODDARD, F. J., 561

FELLINGER, K.; HÖFER, R., and VETTER, H.: The disturbance in iodine metabolism produced by thyroid surgery, 483
FERIN, J.: Progestational activity of certain 19-nor steroids. Comparative assays in oophorectomized women (Letter to the Editor), 1252
FIELDS, T., *see* OLINER, L., 61
FINKELSTEIN, M., and GOLDBERG, S.: A test for qualitative and quantitative estimation of pregnane-3α, 17α, 20α-triol-11-one in urine, and its significance in adrenal disturbances, 1063
FISHMAN, J., *see* KURLAND, G. S., 552
FLINK, E. B., *see* SCHULTZ, A. L., 441
FLINN, L. B., *see* STURTEVANT, V., 989
FLOSI, A. Z.; ASSIS, L. M., BLOISE, W.; COELHO NETTO, A. S.; ULHÔA CINTRA, A. B., and de BARROS, R. P.: Treatment of eosinophilic granuloma by corticotropin: report of 4 cases with disappearance of the bone lesions, 994
FORERO, J., *see* ROCHE, M., 99
FORTUNATO, J., *see* KLEIN, R., 256
FOWLER, W. S.; BLACKBURN, C. M., and HELMHOLZ, J. F., JR.: Determination of basal rate of oxygen consumption by open and closed-circuit methods, 786
FRAWLEY, T. F.: The intravenous use of sodium tolbutamide in acute studies (Letter to the Editor), 1124
FREEDBERG, A. S., *see* HAMOLSKY, M. W., 33
——, *see* KURLAND, G. S., 552, 1365
FRIEDMAN, M., *see* ROBBINS, E. D., 111
FUJITA, R.,: Determination of corticotropin (ACTH) in human blood and urine by a modified oxycellulose method, 512
FUKUSHIMA, D. K., *see* KAPPAS, A., 451

GABRILOVE, J. L., and LUDWIG, A. W.: The histogenesis of myxedema, 925
——, *see* GELLER, J., 390
——, *see* SOFFER, L. J., 878
GAFNI, J., *see* HARELL-STEINBERG, A., 1094, 1099
GALLAGHER, T. F., *see* KAPPAS, A., 451
GARDNER, W. J., *see* MCCULLAGH, E. P., 1277

GELLER, J.; GABRILOVE, J. L., and SOFFER, L. J.: Response of plasma 17,21-dihydroxy-20-ketosteroids to repository corticotropin, 390
——, *see* SOFFER, L. J., 878
GEMZELL, C. A., *see* BERGSTRAND, C. G., 870
GERARDI, A., *see* ROCHE, M., 99
GERSHBERG, H.; HEINEMANN, H. O., and STUMPF, H. H.: Renal function studies and autopsy report in a patient with gigantism and acromegaly, 377
GOLD, J. J.: Blood corticoids: their measurement and significance—a review, 296
GOLDBERG, S., *see* FINKELSTEIN, M., 1063
GOLDZIEHER, J. W.: Lack of androgenicity of 17-hydroxyprogesterone or its 17-caproate ester (Letter to the Editor), 323
GOLUB, O. J., *see* MARGOLESE, M. S., 849
GOTTESMAN, E. D., *see* SPENCER, H., 975
GOULD, R. G., *see* WERBIN, H., 337
GRABSTALD, H., *see* CLAYTON, G. W., 1002
GRANT, J. K.; SYMINGTON, T., and DUGUID, W. P.: Effect of adrenocorticotropic therapy on the *in vitro* 11β-hydroxylation of deoxycorticosterone by human adrenal homogenates, 933
GRAY, C. H., *see* MARTIN, M. M., 1168
GRAY, S. J., *see* KRAKAUER, L. J., 165
GREER, M. A.: Exophthalmos and localized pretibial myxedema in a euthyroid patient: studies with triiodothyronine, 1466
——, and SHULL, H. F.: A quantitative study of the effect of thyrotropin upon the thyroidal secretion rate in euthyroid and thyrotoxic subjects, 1030
GRUMBACH, M. M.; BLANC, W. A., and ENGLE, E. T.: Sex chromatin pattern in seminiferous tubule dysgenesis and other testicular disorders: relationship to true hermaphrodism and to Klinefelter's syndrome, with a review of gonadal ontogenesis, 703

HADD, H. E., and PERLOFF, W. H.: An improved all-glass extractor, 673
HAIM, S., *see* HARELL-STEINBERG, A., 1094, 1099
HAMOLSKY, M. W.; STEIN, M., and FREEDBERG, A. S.: The thyroid hormone-plasma protein complex in man. II. A new *in vitro* method for study of "uptake" of labelled hormonal components by human erythrocytes, 33
——, *see* KURLAND, G. S., 552, 1365
HARELL-STEINBERG, A.; ZIPRKOWSKI, L.; HAIM, S.; GAFNI, J., and LEVIN, M.: Observations on hypoparathyroidism. I. Exfoliative dermatitis as the presenting sign of hypoparathyroidism: a case report, 1094
——; ZIPRKOWSKI, L.; HAIM, S.; GAFNI, J., and LEVIN, M.: Observations on hypoparathyroidism. II. Inactivation of parathyroid hormone in a case of clinical hypoparathyroidism, 1099
——, *see* CZERNIAK, P., 1448
HAWKER, R. W., and ROBERTSON, P. A.: Oxytocin and lactation (Letter to the Editor), 448
——, *see* ROBINSON, K. W., 320
HEATH, H. A., *see* PERSKY, H., 632
HECHT, H. H., *see* PLAGER, J. E., 1
HEINEMANN, H. O., *see* GERSHBERG, H., 377
HELLMAN, L., *see* KAPPAS, A., 451
HELMHOLZ, H. F., JR., *see* FOWLER, W. S., 786
HERRMANN, W., and SILVERMAN, L.: Excretion of pregnane-3α,17α,20α-triol in pregnancy (Letter to the Editor), 1482
HILF, R., and ROSEN, I.: Effect of re-use of *Rana pipiens* upon the accuracy of the pregnancy test, 1088
HILLS, A. G., and BURR, J. M.: Analysis of the phosphorus reabsorption index: theoretical and practical implications (Letter to the Editor), 1472
HOATHER, W. H., *see* PITT-RIVERS, R., 1313
HÖFER, R., *see* FELLINGER, K., 483
HOFFENBERG, R., and JACKSON, W. P. U.: Sex chromation and intersex (Letter to the Editor), 454
——; JACKSON, W. P. U., and MULLER, W. H.: Gonadal dysgenesis with menstruation: a report of 2 cases, 902
HOLLIFIELD, G., *see* CRISPELL, K. R., 221
HOLMSTROM, E. G., *see* SALHANICK, H. A., 667
HOPE, J. M., *see* ELMADJIAN, F., 608
HOVIS, W. F., *see* STODDARD, F. J., 561
HOWARD, J. E.: Calcium metabolism, bones and calcium homeostasis. A review of certain current concepts, 1105
HUBBLE, D., *see* PITT-RIVERS, R., 1313
HYDOVITZ, J. D.: Effect of anesthesia and thyroid surgery on the plasma level of PBI^{131}, 76
——, and ARONS, W. L.: Effect of thyrotropin on the pattern of thyroid hormones in plasma, 1332
HYER, H., *see* CRISPELL, K. R., 1305

IINO, S., *see* OKINAKA, S., 1454
IMANAGA, H.; KONDO, T., and MORI, I.: Inactivation of antidiuretic substance by human liver, 1081
IRIO, M., *see* OKINAKA, S., 1454
ISAACS, M., *see* LINSK, J. A., 416
ISHIDA, T., *see* ROBBINS, E. D., 111
ITO, T., *see* OKINAKA, S., 1454
IZZO, A. J.; KEUTMANN, E. H., and BURTON, R. B.: Special considerations in the use of blue tetrazolium for the measurement of alpha-ketols in mixtures with other steroids, 889

JACKSON, W. P. U., *see* HOFFENBERG, R., 454, 902
JACOBSON, S. D., *see* DOUGLASS, R. C., 1354
JAYLE, M.-F., *see* BAULIEU, E.-E., 1478
JEFFERIES, W. MCK., KELLY, L. W., JR.; SYDNOR, K. L.; LEVY, R. P., and COOPER, G.: Metabolic effects of a single intravenous infusion of hydrocortisone related to plasma levels in a normal versus an adrenally insufficient subject, 186
JENKINS, J. S., and SPENCE, A. W.: Effect of corticotropin and 9α-fluorohydrocortisone on urinary steroids in Cushing's syndrome, 621
JEPSON, R. P., *see* EDWARDS, K. M., 1460
JUNGCK, E. C.; THRASH, A. M.; OHLMACHER, A. P.; KNIGHT, A. M., JR., and DYRENFORTH, L. Y.: Sexual precocity due to interstitial-cell tumor of the testis: report of 2 cases, 291

KAHALI, B. S., *see* PATHAK, C. L., 862
KAPPAS, A.; HELLMAN, L.; FUKUSHIMA, D. K., and

GALLAGHER, T. F.: The pyrogenic effect of etiocholanolone (Letter to the Editor), 451
KARK, R. M.; SOOTHILL, J. F.; PIRANI, C. L., and POLLAK. V. E.: Renal biopsies in Cushing's syndrome (Letter to the Editor), 148
KASSENAAR, A. A. H., *see* WERNER, S. C., 817
KEATING, F. R., JR.: In defense of the basal metabolic rate (Editorial), 797
KEITEL, H. G., and SHERER, M. G.: Marked depression of the plasma protein-bound iodine concentration in the absence of clinical hypothyroidism during testosterone medication, 854
KELLER, A. R., *see* MIGEON, C. J., 1051
KELLY, L. W., JR., *see* JEFFERIES, W. MCK., 186
KENNEDY, B. J., *see* SCHULTZ, A. L., 441
KEUTMANN, E. H., *see* IZZO, A. J., 889
KLEIN, R.; FORTUNATO, J.; LARON, Z., and PAPADATOS, C.: The occurrence of 3-alpha, 21-dihydroxypregnane, 11-20-dione (tetrahydro compound A) in the serum of children, 256
——, and LARON, Z.: Control of diabetes insipidus by the buccal administration of posterior pituitary powder (Pitressin) (Letter to the Editor), 445
KNIGHT, A. M., JR., *see* JUNGCK. E. C., 291
KOENIG, M. P., *see* ORVIS, A. L., 966
KOHLENBRENNER, R. M., *see* OLINER, L., 61
KONDO, T., *see* IMANAGA, H., 1081
KRAKAUER, L. J.; RAMSEY, C. G., and GRAY, S. J.: The relationship of gastric activity and adrenocortical function: a correlative study, 165
KRANE, S. M.: Parathyroid damage in man: mechanism of effect on serum levels of calcium and phosphorus, 386
——, *see* BARNES, B. A., 1407
KUMA, K., *see* OKINAKA, S., 1454
KUMA, S., *see* OKINAKA, S., 1454
KUNSTADTER, R. H., *see* OLINER, L., 61
KUPPERMAN, H. S., *see* LINSK, J. A., 416
KURLAND, G. S.; BUSTOS, J. G.; HAMOLSKY, M. W., and FREEDBERG, A. S.: Studies in nonmyxedematous hypometabolism. II. Turnover of I^{131}-labeled thyroxine after intravenous infusion, 1365
——; FISHMAN, J.; HAMOLSKY, M. W., and FREEDBERG, A. S.: Radioisotope study of thyroid function in 21 mongoloid subjects, including observations in 7 parents, 552
KUSHNER, D. S., *see* BRONSKY, D., 1422

LAMSON, E. T., *see* ELMADJIAN, F., 608
LANDAU, R. L.; BERGENSTAL, D. M.; LUGIBIHL, K.; DIMICK, D. F., and RASHID, E.: The relationship of estrogen and of pituitary hormones to the metabolic effects of progesterone, 177
LARON, Z., *see* KLEIN R., 256, 445
LASO-WASEM, E. A., *see* ZARROW, M. X., 658
LASZLO, D., *see* SPENCER, H., 975
LATOUR, J. P. A., *see* ARRONET, G. H., 261
LAWRENCE, B., *see* MIGEON, C. J., 1051
LAZARUS, S. S.; VOLK, B. W., and LEW, H.: Cortisone potentiation of the hyperglycemic action of insulin preparations, 542
LEFTIN, J. H., *see* MARKS, L. J., 407
LEISER, A., E., *see* MCCULLAGH, E. P., 985
LEITH, W., and BECK, J. C.: 9-Alpha-fluorohydrocortisone alone and combined with hydrocortisone in the management of chronic adrenal insufficiency, 280
LEMON, H. M., *see* WOTIZ, H. H., 116, 534
LEONARD, M. P., *see* MARKS, L. J., 407
LEROY, G. V., *see* WERBIN, H., 337
LEVIN, M., *see* HARELL-STEINBERG, A., 1094, 1099
LEVY, R. P., *see* JEFFERIES, W. MCK., 186
LEW, H., *see* LAZARUS, S. S., 542
LEWALLEN, C. G., *see* RALL, J. E., 1263
LI, M. C., *see* MACLEAN, J. P., 346
LINSK, J. A.; PATON, B. C.; PERSKY, M.; ISAACS, M., and KUPPERMAN, H. S.: The effect of phenylbutazone and a related analogue (G25671) upon thyroid function, 416
LIPSETT, M. B.; WEST, C. D.; MACLEAN, J. P., and PEARSON, O. H.: Adrenal function after hypophysectomy in man, 356
——, *see* MACLEAN, J. P., 346
LITVAK, J., *see* STANBURY, J. B., 654
LIVINGSTONE, J. L., *see* MARTIN, M. M., 1168
LOGAN, J.: Sporadic goitrous cretinism in xeroderma pigmentosum (Letter to the Editor), 151
LORENZO Y LOSADO, H., JR.; CAVIGLIA STARICCO, E.; CERVIÑO, J. M.; ARIAS BELLINI, M.; MAGGIOLO, J.; de BUÑO, R. B., and MUSSIO FOURNIER, J. C.: Hypotonia of the gall bladder, of myxedematous origin, 133
LUCAS, W. M.; WHITMORE, W. F., JR., and WEST, C. D.: Identification of testosterone in human spermatic vein blood, 465
LUDWIG, A. W., *see* GABRILOVE, J. L., 925
LUGIBIHL, K., *see* LANDAU, R. L., 177
LUNNON, B. J., *see* MARTIN, M. M., 1168

MACLEAN, J. P.; LIPSETT, M. B.; LI, M. C.; WEST, C. D., and PEARSON, O. H.: Regulation of salt metabolism after hypophysectomy in man, 346
——, *see* LIPSETT, M. B., 356
MAGGIOLO, J., *see* LORENZO Y LOSADA, H., JR., 133
——, *see* MÉNDEZ BAUER, C. J., 884
MAN, E. B., and BONDY, P. K.: Clinical significance of serum butanol-extractable iodine (Editorial Review), 1373
MANDL, R. H., *see* WERNER, S. C., 817, 1141
MARCUS, P., *see* WOTIZ, H. H., 116, 534
MARGOLESE, M. S., and GOLUB, O. J.: Daily fluctuation of the serum protein-bound iodine level, 849
MARGRAF, H. W., *see* WEICHSELBAUM, T. W., 959, 1158
MARKS, L. J.; LEFTIN, J. H., and LEONARD, M. P. Urinary Porter-Silber chromogen versus blue tetrazolium chromogen as a quantitative index of adrenocortical function, 407
MARTIN, M. M.; GRAY, C. H.; LIVINGSTONE, J. L., and LUNNON, B. J.: Urinary metabolites of cortisol in adrenal insufficiency and pituitary eunuchoidism, 1168
MASUDA, M.: Urinary ketosteroid excretion patterns in congenital adrenal hyperplasia, 1181
MCBRIDE, J. M.: Estrogen excretion levels in the normal postmenopausal woman, 1440
MCCONAHEY, W. M., *see* WOOLNER, L. B., 201, 1202
MCCULLAGH, E. P.; CLAMEN, M., and GARDNER,

W. J.: Clinical progress in the treatment of exophthalmos of Graves' disease, with particular reference to the effect of pituitary surgery, 1277
——, and LEISER, A. E.: Turner's syndrome and Laurence-Moon-Biedl syndrome in siblings, 985
MÉNDEZ BAUER, C. J.; CALDEYRO-BARCIA, R.; DE ANGELIS, R.; MAGGIOLO, J.; POU-DE-SANTIAGO, A., and MUSSIO FOURNIER, J. C.: Effect of thyroid therapy on the tone and contractility of the urinary bladder in hypothyroidism, 884
MENDEZ-MARTINEZ, J., *see* ROCHE, M., 99
MIGEON, C. J.; KELLER, A. R.; LAWRENCE, B., and SHEPARD, T. H., II: Dehydroepiandrosterone and androsterone levels in human plasma. Effect of age and sex; day-to-day and diurnal variations, 1051
——, *see* BLISS, E. L., 766
MIRSKY, I. A., and DIENGOTT, D.: The hypoglycemic response to insulin in man after sulfonylurea by mouth, 603
MORI, I., *see* IMANAGA, H., 1081
MORRIS, M. L., *see* STANBURY, J. B., 1324
MULLER, W. H., *see* HOFFENBERG, R., 902
MUSSIO FOURNIER, J. C., *see* LORENZO y LOSADA, H., JR., 133
——, *see* MÉNDEZ BAUER, C. J., 884

NEHER, G. M., *see* ZARROW, M. X., 658
NELSON, W. O., *see* SEGAL, S. J., 676
——, *see* WITSCHI, E., 737
NEWMAN, S., and CUPP, C. M.: Influence of iodoalphionic acid (Priodax), with and without thyrotropin, on thyroidal I^{131} uptake in euthyroid patients, 94
NISSEN-MEYER, R., *see* SALVESEN, S., 914
NODINE, J. H.; CHANNICK, B. J.; SOKHOS, D.; TASSONI, S. D., and PERLOFF, W. H.: Measurement of the active iodine stores and daily hormonal output of the intact human thyroid, 832
NOGUCHI, A., *see* OKINAKA, S., 1454
NYMAN, M., *see* STUDNITZ, W. v., 910

O'HEERON, M. K., *see* CLAYTON, G. W., 1002
OHLMACHER, A. P., *see* JUNGCK, E. C., 291
OKINAKA, S.; SHIZUME, K.; IINO, S.; WATANABE, A.; IRIO, M.; NOGUCHI, A.; KUMA, S.; KUMA, K., and ITO, T.: The association of periodic paralysis and hyperthyroidism in Japan, 1454
OLINER, L.; KOHLENBRENER, R. M.; FIELDS, T., and KUNSTADTER, R. H.: Thyroid function studies in children: normal values for thyroidal I^{131} uptake and PBI^{131} levels up to the age of 18, 61
ORVIS, A. L.; KOENIG, M. P., and OWEN, C. A., JR.: *In vivo* measurement of thyroidal radioiodine: effect of "neck scatter," 966
OWEN, C. A., JR., *see* ORVIS, A. L., 966
OWEN, J. A., JR.; ENGEL, F. L., and WESTER, T. B.: 9-α-Fluorohydrocortisone-induced hypertension in a male infant with adrenogenitalism, and in 6 adults with Addison's disease, 272

PALEY, K. R., *see* YALOW, R. S., 424
PAPADATOS, C., *see* KLEIN, R., 256
PARSON, W., *see* CRISPELL, K. R., 221
——, *see* WILLIAMS, G. A., 1347
PASCHKIS, K. E., *see* DI GEORGE, A. M., 645, 842
——, *see* RUPP, J. J., 143
PATHAK, C. L., and KAHALI, B. S.: Cyclic variations in the eosinophil count during the phases of the menstrual cycle, 862
PATON, B. C., *see* LINSK, J. A., 416
PAULSHOCK, B. Z., *see* STURTEVANT, V., 989
PEARSON, O. H., *see* LIPSETT, M. B., 356
——, *see* MACLEAN, J. P., 346
PERKOFF, G. T.; BROWN, D. M., and TYLER, F. H.: The isolation of myglobin in progressive muscular dystrophy (Letter to the Editor), 1489
PERLOFF, W. H., *see* HADD, H. E., 673
——, *see* NODINE, J. H., 832
PERSKY, H.: Adrenocortical function in anxious human subjects: the disappearance of hydrocortisone from plasma and its metabolic fate, 760
——, and HEATH, H. A.: Effect of intravenous corticotropin on the level of plasma hydrocortisone in man: application to the assay of corticotropin, 632
PERSKY, M., *see* LINSK, J. A., 416
PETERSON, R. E.: Plasma corticosterone and hydrocortisone levels in man, 1150
——, and SCHMID, R.: A clinical syndrome associated with a defect in steroid glucuronide formation (Letter to the Editor), 1485
PILLAR, S., *see* RUSS, E. M., 908
PINCUS, G., *see* ROMANOFF, L. P., 434, 777
PIRANI, C. L., *see* KARK, R. M., 148
PITT-RIVERS, R.; HUBBLE, D., and HOATHER, W. H.: A chromatographic study of thyroidal iodine metabolism in nontoxic nodular goiter, 1313
PIYARATN, P., and ROSAHN, P. D.: Congenital adrenocortical hyperplasia associated with hyperplasia of aberrant (intratesticular) adrenal tissue, 1245
PLAGER, J. E.; SAMUELS, L. T.; BALLARD, A.; TYLER, F. H., and HECHT, H. H.: The rate of metabolism of cortisol in a normal human male, 1
POLLAK, V. E., *see* KARK, R. M., 148
POMERANZE, J.: A new hypoglycemic agent (Letter to the Editor), 1011
POU-DE-SANTIAGO, A., *see* MÉNDEZ BAUER, C. J., 884
PRIMROSE, T., *see* VENNING, E. H., 473
PURVES, H. D., *see* ADAMS, D. D., 126

QUERIDO, A., *see* DE GRAEFF, J., 328
——, *see* STANBURY, J. B., 803
QUILLIGAN, E. J., and ROTHCHILD, I.: Rate of pregnanediol excretion following intraportal or intrasystemic intravenous administration of progesterone in human subjects, 595

RABOCH, J.: Thirty-one men with female sex chromatin, 1429

RALL, J. E.; ALPERS, J. B.; LEWALLEN, C. G.; SONENBERG, M.; BERMAN, M., and RAWSON, R. W.: Radiation pneumonitis and fibrosis: a complication of radioiodine treatment of pulmonary metastases from cancer of the thyroid, 1263
RAMSEY, C. G., *see* KRAKAUER, L. J., 165
RASHID, E., *see* LANDAU, R. L., 177
RAVENTOS, A., *see* DOHAN, F. C., 8
RAWSON, R. W., *see* RALL, J. E., 1263
RAYMUNT, J., *see* RUSS, E. M., 908
REECE, M. W., *see* EDWARDS, K. M., 1460
RICHARDSON, E., *see* STURTEVANT, V., 989
——, *see* TOUCHSTONE, J. C., 250
RIOTT, I. M., *see* DONIACH, D., 1293
RIVERA, A., *see* SELENKOW, H. A., 1131
ROBBINS, E. D.; BURTON, S. D.; BYERS, S. O.; FRIEDMAN, M.; ST. GEORGE, S., and ISHIDA, T.: Hydrocortisone metabolism in the perfused isolated rat liver, 111
ROBERTSON, P. A., *see* HAWKER, R. W., 448
——, *see* ROBINSON, K. W., 320
ROBINSON, K. W.; HAWKER, R. W., and ROBERTSON, P. A.: Antidiuretic hormone (ADH) in the human female (Letter to the Editor), 320
ROCHE, M.; DE VENANZI, F.; VERA, J.; COLL, E.; SPINETTI-BERTI, M.; MENDEZ-MARTINEZ, J.; GERARDI, A., and FORERO, J.: Endemic goiter in Venezuela studied with I^{131}, 99
RODRIGUEZ, R., *see* ROMANOFF, L. P., 434, 777
ROMANI, J. D., *see* ALBEAUX-FERNET, M., 519
ROMANOFF, L. P.; RODRIGUEZ, R. M.; SEELYE, J. M., and PINCUS, G.: Determination of tetrahydrocortisol and tetrahydrocortisone in the urine of normal and schizophrenic men, 777
——; SEELYE, J.; RODRIGUEZ, R., and PINCUS, G.: The regular occurrence of 3α-allotetrahydrocortisol (3α-11β, 17α-21-tetrahydroxyallopregnan-20-one) in human urine (Letter to the Editor), 434
ROSAHN, P. D., *see* PIYARATN, P., 1245
ROSE, E., *see* DOHAN, F. C., 8
ROSEN, I., *see* HILF, R., 1088
ROTHCHILD, I.: Effect of large doses of intravenously administered progesterone on gonadotropin excretion in the human female, 754
——, *see* QUILLIGAN, E. J., 595
RUPP, J. J., and PASCHKIS, K. E.: Co-existence of Addison's disease and thyrotoxicosis (Teaching Clinic), 143
RUSS, E. M.; RAYMUNT, J., and PILLAR, S.: Effect of estrogen therapy on ceruloplasmin concentration in a man with Wilson's disease (Letter to the Editor), 908

SALHANICK, H. A.; HOLMSTROM, E. G., and ZARROW, M. X.: Biological activity of 17-α-hydroxyprogesterone in the mouse, rabbit and human being, 667
——, *see* ZARROW, M. X., 658
SALVESEN, S., and NISSEN-MEYER, R.: Influence of meprobamate therapy on the estimation of 17-ketosteroids and 17-ketogenic steroids (Letter to the Editor), 914
SAMUELS, L. T., *see* PLAGER, J. T., 1
SANDBERG, A. A.; CHANG, E., and SLAUNWHITE, W. R., JR.: The conversion of 4-C^{14}-cortisol to C^{14}-17-ketosteroids (Letter to the Editor), 437
——, and SLAUNWHITE, W. R., JR.: Differences in metabolism of prednisolone-C^{14} and cortisol-C^{14}, 1040
——, *see* SLAUNWHITE, W. R., JR., 395
SAVARD, K., *see* WOTIZ, H. H., 534
SCHMID, R., *see* PETERSON, R. E., 1485
SCHULTZ, A. L.; FLINK, E. B.; KENNEDY, B. J., and ZIEVE, L.: The exchangeable character of accumulated I^{131} in the thyroid gland of a goitrous cretin (Letter to the Editor), 441
SEELYE, J., *see* ROMANOFF, L. P., 434, 777
SEGAL, S. J., and NELSON, W. O.: Developmental aspects of human hermaphrodism: the significance of sex chromatin patterns (Editorial Review), 676
——, *see* WITSCHI, E., 737
SELENKOW, H. A.; RIVERA, A., and THORN, G. W.: The effects of amphenone on thyroid function in man, 1131
SERVIS, L. T., *see* STODDARD, F. J., 561
SHEPARD, T. H., II, *see* MIGEON, C. J., 1051
SHERER, M. G., *see* KEITEL, H. G., 854
SHIPLEY, R. A., and CHUDZIK, E. B.: Thyroidal uptake and plasma clearance of I^{131} and I^{127} in cirrhosis of the liver, 1229
——, *see* CLARK, R. E., 1008
SHIZUME, K., *see* OKINAKA, S., 1454
SHULL, H. R., *see* GREER, M. A., 1030
SILVERMAN, L., *see* HERRMANN, W., 1482
SIMONS, E. L., *see* BROWN, H., 1191
——, *see* ENGLERT, E., JR., 1395
SKOOG, W. A., and ADAMS, W. S.: Metabolic balance in a case of virilizing adrenal hyperplasia treated with prednisone, 364
SLAUNWHITE, W. R., JR., and SANDBERG, A. A.: The metabolism of 1-dehydro-17-hydroxycorticosteroids in human subjects, 395
——, *see* SANDBERG, A. A., 437, 1040
SLINGERLAND, D. W.: Effects of an organic iodine compound (Priodax) on tests of thyroid function, 82
SMITH, J. D., *see* CLAYTON, G. W., 1002
SOBEL, E. S., *see* YALOW, R. S., 424
SOFFER, L. J.; GELLER, J., and GABRILOVE, J. L.: Response of the plasma 17-hydroxycorticosteroid level to gel-ACTH in tumorous and non-tumorous Cushing's syndrome, 878
——, *see* GELLER, J., 390
SOKHOS, D., *see* NODINE, J. H., 832
SOMMERS, S. C., *see* BARR, R. W., 1017
SOMMERVILLE, I. F.: The quantitative determination of progesterone in human plasma (Letter to the Editor), 317
SONENBERG, M., *see* RALL, J. E., 1263
SOOTHILL, J. F., *see* KARK, R. M., 148
SPENCE, A. W., *see* JENKINS, J. S., 621
SPENCER, H.; BERGER, E.; CHARLES, M. L.; GOTTESMAN, E. D., and LASZLO, D.: Metabolic effects of 17-ethyl-19-nortestosterone in man, 975
SPINETTI-BERTI, M., *see* ROCHE, M., 99
STANBURY, J. B., and LITVAK, J.: The metabolism of iodotyrosines. IV. Metabolism of *l*-diiodotyrosine in patients with hypothyroidism, 654

——, and MORRIS, M. L.: The metabolism of 3:3′-diiodothyronine in man, 1324
——, and QUERIDO, A.: On the nature of endemic cretinism (Letter to the Editor), 803
STEIN, M., *see* HAMOLSKY, M. W., 33
ST. GEORGE, S., *see* ROBBINS, E. D., 111
STODDARD, F. J.; ENGSTROM, W. W.; HOVIS, W. F.; SERVIS, L. T., and WATTS, A. D.: Effect in women of bilateral oophorectomy on circulating thyroid hormone, 561
STUDNITZ, W.v., and NYMAN, M.: Effect of androgens on α_2-globulins in women (Letter to the Editor), 910
STUMPF, H. H., *see* GERSHBERG, H., 377
STURTEVANT, V.; PAULSHOCK, B. Z.; FLINN, L. B., and RICHARDSON, E.: Klinefelter's syndrome: report of a case studied by fluorohydrocortisone suppression of adrenal function, 989
SYDNOR, K. L., *see* JEFFERIES, W. McK., 186
SYMINGTON, T., *see* GRANT, J. K., 933

TASSONI, S. D., *see* NODINE, J. H., 832
THOMAS, C. G., JR.: Hormonal treatment of thyroid cancer, 232
THOMAS, P. Z., *see* BONGIOVANNI, A. M., 331
THOMAS, W. C., JR.: Diabetes insipidus (Teaching Clinic—Review), 565
THORN, G. W., *see* SELENKOW, H. A., 1131
THRASH, A. M., *see* JUNGCK, E. C., 291
TOUCHSTONE, J. C.; BULASCHENKO, H.; RICHARDSON, E. M., and DOHAN, F. C.: The excretion of pregnane-3α, 17α,21-triol-20-one (tetrahydro S) in normal and pathologic urine, 250
TYLER, F. H., *see* PERKOFF, G. T., 1489
——, *see* PLAGER, J. E., 1

ULHÔA CINTRA, A. B., *see* FLOSI, A. Z., 994

VENNING, E. H.; DYRENFURTH, I., and BECK, J. C.; Effect of anxiety upon aldosterone excretion in man (Letter to the Editor), 1005
——; PRIMROSE, T.; CALIGARIS, L. C. S., and DYRENFURTH, I.: Aldosterone excretion in pregnancy, 473
VERA, J., *see* ROCHE, M., 999
VETTER, H., *see* FELLINGER, K., 483
VOLK, B. W., *see* LAZARUS, S. S., 542

WALLACH, S.; BROWN, H.; ENGLERT, E., JR., and EIK-NES, K.: Adrenocortical carcinoma with gynecomastia: a case report and review of the literature, 945
——, *see* BROWN, H., 1191
——, *see* ENGLERT, E., JR., 1395
WALT, A. J.; WOOLNER, L. B., and BLACK, B. M.: Small-cell malignant lesions of the thyroid land, 45
WATANABE, A., *see* OKINAKA, S., 1454
WATTS, A. D., *see* STODDARD, F. J., 561
WEICHSELBAUM, T. E.; ELMAN, R., and MARGRAF, H. W.: Study of potentially active adrenocortical steroids in peripheral human plasma after various stresses, 1158
——, and MARGRAF, H. W.: Determination of Δ^4-3-ketocorticosteroids in human peripheral plasma by the isonicotinic acid hydrazide (INH) reaction, 959
WERBIN, H.; BERGENSTAL, D. M.; GOULD, R. G., and LEROY, G. V.: Evaluation of tritium cholesterol as a tracer in man, 337
WERNER, S. C.; BLOCK, R. J., and MANDL, R. H.: Circulating iodoproteins in a nongoitrous adult with primary amenorrhea, bony deformities, and normal levels of serum precipitable iodine and thyroidal I^{131} uptake, 1141
——; BLOCK, R. J.; MANDL, R. H., and KASSENAAR, A. A. H.: Pathogenesis of a case of congenital goiter with abnormally high levels of SPI and with mono- and diiodotyrosine in the serum, 817
WEST, C. D., *see* LIPSETT, M. B., 356
——, *see* LUCAS, W. M., 465
——, *see* MACLEAN, J. P., 346
WESTER, T. B., *see* OWEN, J. A., JR., 272
WHITMORE, W. F., JR., *see* LUCAS, W. M., 465
WICHT, C. L., *see* DE GRAEFF, J., 328
WIED, G. L., *see* DAVIS, M. E., 1237
WILLIAMS, G. A.; CRISPELL, K. R., and PARSON, W.: Adrenocortical function in myxedema, 1347
——, *see* CRISPELL, K. R., 221
WITSCHI, E.; NELSON, W. O., and SEGAL, S. J.: Genetic, developmental and hormonal aspects of gonadal dysgenesis and sex inversion in man, 737
WOTIZ, H. H.; LEMON, H. M., and MARCUS, P.: Determination of urinary 11-oxygenated 17-ketogenic steroids, 116
——; LEMON, H. M.; MARCUS, P., and SAVARD, K.: The conjugated 17-ketosteroids of human urine, 534
WOOLNER, L. B.; MCCONAHEY, W. M., and BEAHRS, O. H.: Invasive fibrous thyroiditis (Riedel's struma), 201
——; MCCONAHEY, W. M., and BEAHRS, O. H.: Granulomatous thyroiditis (De Quervain's thyroiditis), 1202
——, *see* WALT, A. J., 45

YALOW, R. S.; SOBEL, E. S., and PALEY, K. R.: Correlation of early extrathyroidal radioiodide space with body weight, 424

ZARROW, M. X.; NEHER, G. M.; LASO-WASEM, E. A., and SALHANICK, H. A.: Biological activity of certain progesterone-like compounds as determined by the Hooker-Forbes bioassay, 658
——, *see* SALHANICK, H. A., 667
ZIEVE, L., *see* SCHULTZ, A. L., 441
ZIPRKOWSKI, L., *see* HARELL-STEINBERG, A., 1094, 1099

SUBJECT INDEX TO VOLUME 17

ACETIC-ACID analogues: *see* Thyroid preps. & comps.
ACROMEGALY: *see* Pituitary disorders
ACTH: *see* Pituitary preps., adrenocorticotropic hormone
ADDISON'S DISEASE: *see* Adrenal disorders
ADH: *see* Pituitary preps., post. lobe
ADRENAL
DISORDERS
—— Addison's dis. coexistent with pregnancy; lack of plasma cortisol and ur. aldosterone, 1478
—— Addison's dis. coexistent with pregnancy; pregnanetriol excretion in, 1482
—— Addison's dis. coexistent with thyrotoxicosis, 143
—— Addison's dis.; hypertension induced by fluorohydrocortisone in 6 cases, 272
—— Addison's dis.; metabolic effects of single i.v. infusion of hydrocortisone in, 186
—— Addison's dis.; plasma corticosterone & hydrocortisone in, 1150
—— adrenal hyperplasia; effect of 17-OH-progesterone & caproate ester in, 323
—— adrenal hyperplasia *vs.* ad. tumor; pregnanetriolone excretion in, 1063
—— adrenal hyperplasia, virilizing, treated with prednisone; metabolic balance study, 364
—— adrenal insufficiency, chronic; effect of fluorohydrocortisone in, 280
—— adrenal insufficiency; ur. metabolites of cortisol in, 1168
—— adrenalect'd, ovariect'd, hypophysect'd woman; effects of progesterone in, 177
—— adrenalect'd *vs.* hypophysect'd subject; steroid withdrawal sympts., 356
—— adrenocortical ca. with gynecomastia (incl. review of lit.), 945
—— adrenogenital syndrome; plasma corticosterone & hydrocortisone in, 1150
—— adrenogenital syndrome; relation to female pseudohermaphrodism, 737
—— adrenogenitalism in male infant; hypertension induced by fluorohydrocortisone in, 272
—— bilateral adrenalectomy; effect on kidney structure in Cush. syn., 148
—— bilaterally adrenalect'd (Cushing) pregnant patient; excretion of pregnanetriol in, 1482
—— bilaterally adrenalect'd women; effect of ACTH on *in vitro* 11β-hydroxylation of DOC by adrenal homogenates from, 933
—— chronic asthenia; excretion of corticoids in, 519
—— congen. adrenal hyperpl. assoc'd with hyperpl. of aberrant (intratest.) adrenal tissue, 1245

ADRENAL (*cont.*)
DISORDERS (*cont.*)
—— congen. adrenal hyperpl.; developmental aspects; sex chromatin patterns, 676
—— congen. adrenal hyperpl.; pregnanediol excretion in, 870
—— congen. adrenal hyperpl.; ur. ketosteroid patterns in, 1181
—— Cushing's syndrome: *see* Cushing's syndrome
—— hyper- and hypoadrenocorticism; excretion of tetrahydro S in, 250
PHYSIOLOGY & PATHOLOGY
—— (ACTH) adrenocorticotropic hormone: *see* Pituitary preps.
—— adrenal activity in relation to cyclic variations in eosinophil count in women, 862
—— adrenal cortices in hepatic disease, 1017
—— adrenal funct. after hypophy'y in man, 356
—— adrenal funct. in anorexia nervosa, 766
—— adrenocort. funct. & gastric activity; effect of ACTH, 165
—— adrenocort. funct. in anxious subjects, 760, 1005
—— adrenocort. funct.; P-S *vs.* B-T chromogen as quant. index of, 407
—— effect of amphenone, 1131
—— effect of pituitary on adrenal Na-conserving mech., 346, 356
—— in myxedema, 1354
—— patterns of human adrenal after stim. with ACTH, 933
PREPARATIONS & COMPOUNDS
—— adrenocorticosteroids in human adrenal venous blood; effect of ACTH, 933
—— aldosterone & 17-OHCS excretion in pregnancy, normal & toxemic, 473
—— aldosterone excretion; effect of anxiety on, 1005
—— aldosterone, racemic; grants of, by Nat. Inst. of Health, 699
—— 3α-allotetrahydrocortisol (allo-THF); regular occurrence of in human urine, 434
—— corticoids of blood; measurement & significance (a review), 296
—— corticoids, urinary, in chronic asthenia, 519
—— corticosterone & hydrocortisone of plasma in man, 1150
—— cortisol-4-C^{14}; conversion to C^{14}-17-KS, 437
—— cortisol; metabolism of, 1191
—— cortisol of plasma & ur. aldosterone; lack of in preg. addisonian, 1478
—— cortisol; rate of metab. in normal man, 1
—— cortisol; ur. metabolites of in adrenal insuff'y & pit. eunuchoidism, 1168

ADRENAL (*cont.*)
PREPARATIONS & COMPOUNDS (*cont.*)
—— cortisone; effect on pregnanediol excretion in congen. ad. hyperpl., 870
—— cortisone in treat. of exoph. of Graves' dis., 1277
—— cortisone potentiation of hyperglycemic action of insulin, 542
—— cortisone; pre-treatment with; influence on pyrogenic effect of etiocholanolone, 451
—— 1-dehydro-17-OH-corticosteroids; metab. of in man (4-C^{14}-cortisol), 395
—— 17,21-dihydroxy-20-KS; det'n of in plasma, 502
—— 17,21-dihydroxy-20-KS of plasma; response to repository (Zn) corticotropin, 390
—— 3-α,21-dihydroxypregnane,11-20-dione (tetrahydro A) & other corticoids in serum of children; effect of ACTH, 256
—— DOC; 11β-hydroxylation of, by human adrenal homogenates; effect of ACTH, 933
—— epinephrine & nor-epi.; excretion of, in emotional states, 608
—— 9α-fluorohydrocortisone, alone & with cortisone, in treat. of chronic adrenal insuff'y, 280
—— 9α-fluorohydrocortisone and ACTH; effect on ur. steroids in Cush. syn., 621
—— 9α-fluorohydrocortisone-induced hypertension, 272
—— fluorohydrocortisone suppression of adrenals in study of Klinefelter's syn., 989
—— hydrocortisone metabolism in perfused isolated rat liver, 111
—— hydrocortisone of plasma; effect of i.v. ACTH on (assay), 632
—— hydrocortisone; rate of removal from plasma; metabolic fate in anxious subjects, 760
—— hydrocortisone, single i.v. infusion; metabolic effects in normal & addisonian subjects, 186
—— Δ^4-3-ketocorticosteroids, potentially active; effect of various stresses on; 3 methods of analysis, 1158
—— Δ^4-3-ketocorticosteroids of plasma det'd by INH, 959
—— α-ketols mixed with other steroids; special considerations in use of BT in measurement of, 889
—— ketosteroids; ur. excretion patterns in congen. ad. hyperpl., 1181
—— 17-OHCS & 17-KS correlated with uropepsin excretion, 165
—— 17-OHCS, free & conjug'd; metab. of, in liver dis. after infusion of Tetra E, Tetra F & Di E, 1395
—— 17-OHCS, free & conjug'd; metab. of, in normal subjects; effect of ad. steroids & ACTH on, 1191
—— 17-OHCS of plasma in myxedema; effect of ACTH, 1347
—— 17-OHCS of plasma; response to gel-ACTH in varieties of Cush. syn., 878

ADRENAL (*cont.*)
PREPARATIONS & COMPOUNDS (*cont.*)
—— 17-OHCS of urine & plasma in anorexia nervosa, 766
—— 17-OHCS response to surgery; effect of testosterone & of blood transfusion, 1460
—— 11-oxygenated 17-ketogenic steroids, urinary; normal levels and effect of ACTH & cortisone, 116
—— prednisolone-C^{14} and cortisol-C^{14}; diffs. in metab. of, 1040
—— prednisone-treated adrenal hyperplasia; metab. balance study, 364
—— pregnanetriolone; effect of cortisone on excretion of, 1063
—— pregnanetriolone; *see also* Pregnanetriolone
—— pregnane-3α,17α,21-triol-20-one (tetrahydro S) & α-ketolic comps. in normal and path. urine, 250
—— steroid glucuronide formation, defect in; clin. syndrome, 1485
—— steroid withdrawal sympts. in hypophysect'd *vs.* adrenalect'd subjects; effect of aldosterone, 356
—— steroids; compact apparatus for ascending paper chromatography of, 1476
—— steroids; effect on bone, 1105
—— steroids found in tumor of adrenocort. carcinoma, 945
—— steroids of human urine, 534
—— steroids, studied by tritium cholesterol, 337
—— steroids, urinary; P-S *vs.* B-T chromogen as quant. index of; effect of fluorohydrocortisone, 407
—— tetrahydrocortisol and tetrahydrocortisone excretion in normal & schizophrenic men, 777
—— tetrahydrocortisone of plasma foll'g i.v. admin. in congen. nonhem. jaundice, 1485
ADRENALINE: *see* Adrenal preps. & comps., epinephrine
AGE: *see also* Children
—— effect on diurnal excretion of 17-KS, 326
—— effect on plasma androsterone & DHZ levels, 1051
—— related to endocrinopathies in hepatic dis., 1017
ALBUMIN: *see* Protein
ALDOSTERONE: *see* Adrenal preps. & comps.
ALKALI; effect on reduction of blue tetrazolium by C_{21} & C_{19} steroids, 889
3α-ALLOTETRAHYDROCORTISOL (allo-THF): *see* Adrenal preps. & comps.
AMENORRHEA: *see* Menstruation
AMERICAN DIABETES ASSOCIATION—Joint session with The Endocrine Society, New York (1957), program, 587
AMERICAN GERIATRICS SOCIETY, 1957 Annual Meeting, 336
AMERICAN GOITER ASSOCIATION
Annual Meetings
—— May 1957, New York (first session joint with The Endocrine Society; announcements of, 158, 336, 461, 590, 697 (with program).

AMERICAN GOITER ASSOCIATION (*cont.*)
Annual Meetings (*cont.*)
—— June 1958, San Francisco; announcements of, 1392, 1496
—— July 1960, London, England; Fourth Internat. Conference on Goiter, 1394
Awards (Van Meter Prize; Award for Meritorious Service)
—— for 1957: announcement of, 158; recipients of, 1393
—— for 1958: announcements of, 1392, 1496
AMERICAN SOCIETY FOR STUDY OF STERILITY; grants-in-aid, 1016
AMPHENONE: effects on thyroid function in man, 1131
ANDROGENS
—— androgenicity; lack of, in 17-OH-progesterone & caproate ester, 323
—— androsterone and DHA of plasma; effect of age & sex; diurnal variations, 1051
—— androsterone and etiocholanolone in human urine, 534
—— certain 19-nor steroids; progestational activity of, in oophorect'd women, 1252
—— dehydroepi- and androsterone; blood levels and renal clearance of, 238
—— effect of androsterone foll'g pyrogenic action of etiocholanolone, 451
—— effect on α_2-globulins (haptoglobin & ceruloplasmin) in women, 910
—— 17-ethyl-19-nortestosterone; metabolic effects, 975
—— testosterone; depression of PBI by, in absence of hypothyroidism, 854
—— testosterone; identif'n of, in human spermatic vein blood, 465
—— testosterone propionate; effect on N balance foll'g *l*-triiodothyronine therapy in myxedema, 221
—— testosterone therapy; effect on 17-OHCS & electrolyte response to surgery, 1460
—— thirty-one men with female sex chromatin, 1429
—— urinary metabolites in congen. ad. hyperplasia, 1181
ANDROSTERONE: *see* Androgens
ANESTHESIA and thyroid surgery; effect on PBI^{131}, 76
ANHYDROHYDROXYPROGESTERONE: *see* Progesterone
ANNOUNCEMENTS: see *Endocrine Society;* Am. Diabetes Assoc.; Am. Geriatrics Soc.; Am. Goiter Assoc.; Am. Soc. Study Sterility; Children's Hosp. of Philadelphia; Cincinnati Acad. Med.; Einstein Med. Center; Harvard Med. School; Internat. Abstr. Biol. Sci.; Internat. Conf. on Goiter; Internat. Congress on Rheum.; Internat. Fed. of Gynaec. & Obst.; Internat. Med.-Surg. Meetings; Internat. Sympos. on Radioact. Isotopes; Inter-Soc. Cytology Council; Laurentian Hormone Conf.; Nat. Institutes of Health; New York Acad. of Med.; Pan-Amer. Congress on Endocrinology; Psychosom. Med., Academy; Research Methods & Instrum. Sympos.; United Nations
ANNUAL MEETINGS: *see* Announcements
ANOREXIA NERVOSA; endocrinology of, 766
ANTIBODIES; thyroid specific, precipitating, 1293
ANTIDIURETIC HORMONE (ADH), or SUBSTANCE (ADS): *see also* Pituitary preps., post. lobe
—— in diabetes insip., 565
—— inactivation of, by liver, 1081
—— role of, after hyphysectomy in man, 346, 356
ANTITHYROID DRUGS: *see* Methimazole; Thio compounds; Thyroid disorders
ANXIETY; effect on aldosterone excretion, 1005
ANXIOUS subjects: *see* Stress; Mental
APPARATUS: *see* Methods
ASCITES: *see* Liver, cirrhosis
ASCITIC FLUID: *see* Liver; Tissues
ASPIRIN, in treatment of pyrogenic effect of etiocholanolone, 451
ASSAY: *see* Methods
ASTHENIA, chronic; excretion of urinary corticoids in, 519
ATHLETES; excretion of epinephrine & nor-epi. in, 608
AUTHOR INDEX to Vol. 17, 1500
AUTO-IMMUNITY in Hashimoto's disease, and its implications, 1293
AWARDS: *see* Endocrine Society; Am. Goiter Assoc.; (also Grants)
AYERST FELLOWSHIP: *see* Endocrine Society, Awards

BASAL METABOLISM: *see also* Oxygen
—— defense of the basal metabolic rate, 797
—— effect of antithyroid drugs on: *see* Methimazole, Thio comps.; Thyroid
—— effect of iodine preps. on: *see also* Iodine; Thyroid
—— effect of thyroid hormones on: *see also* Thyroid, preps. & comps.
—— effect of triac (i.v.) on, in myxedema, 328
—— hypometabolism, nonmyxedematous; turnover of I^{131}-labeled thyroxine after i.v. infusion, 1365
—— in endemic cretinism, 801
—— in granulomatous thyroiditis, 1202
—— in subacute thyroiditis, 1448
—— in thyroid disorders: *see also* Thyroid, disorders
—— in twenty cases of Riedel's struma, 201
—— open *vs.* closed-circuit method for det'n of, 786
BENEMID: *see* Probenecid
BILE: *see* Liver
BLADDER: *see* Liver (gall bladder); Urinary
BLOOD: *see also* under constituent or under disorder involved
—— ACTH: *see also* Pituitary preps. & comps.
—— ADH content in human female through gestation cycle, 320
—— and urine; det'n of ACTH in by modified oxycellulose method, 512
—— androsterone and DHA in: *see* Androgens
—— antidiuretic activity of: *see also* Pituitary preps. & comps., post. lobe
—— arterial, venous & hepatic; half-life of 4-C^{14}-OH-corticosterone in, 1
—— calcium: *see* Calcium; Electrolytes
—— ceruloplasmin: *see* Copper
—— chloride: *see* Electrolytes; Sodium

BLOOD (*cont.*)
—— cholesterol: *see* Cholesterol
—— corticoids; their measurement & significance (review), 296
—— corticosteroids: *see also* Adrenal preps. & comps.
—— electrolytes: *see* Electrolytes
—— enzymes: *see* Enzymes
—— eosinophil count during phases of the menstrual cycle, 862
—— eosinophilic granuloma: effect of ACTH, 994
—— eosinophils: *see also* Adrenal physiol. (function); Pituitary preps. & comps. (ACTH test)
—— epinephrine & norepi. in: *see* Adrenal preps. & comps.
—— erythrocyte sed. rate in subacute thyroiditis, 1448
—— erythrocytes; binding capacity of, for I^{131}-labeled thyroid hormones; factors affecting, 1305
—— erythrocytes; new method for study of uptake of labeled hormonal components by, 33
—— erythrocytic uptake of labeled triiodothyronine in mongolism, 552
—— glucose: *see* Carbohydrate metabolism; Diabetes; Insulin
—— gonadotropin, chorionic: *see* Gonadotropins; Pregnancy
—— hemoglobin *vs.* myoglobin; electrophoresis, 1489
—— hydrocortisone: *see* Adrenal preps. & comps.
—— 17-hydroxycorticosteroids: *see* Adrenal preps. & comps.
—— iodine: *see* Iodine
—— leukocytes re genetic sex: *see* Sex, chromatin
—— leukocytosis foll'g admin. of etiocholanolone, 451
—— 17-OHCS: *see* Adrenal preps. & comps.
—— of spermatic vein; identif'n of testosterone in, 465
—— phosphorus: *see* Phosphorus
—— plasma; method for det'n of 17,21-dihydroxy-20-KS in, 502
—— plasma patterns of adrenal hormones: *see* Adrenal preps. & comps.
—— plasma patterns of thyroid hormones: *see* Thyroids preps. & comps.
—— potassium: *see* Potassium; Electrolytes
—— pressure: *see* Vascular system
—— progesterone; quant. det'n of, 317
—— progesterone: *see also* Progesterone
—— protein: *see* Nitrogen; Protein
—— radioiodine conc., using I^{133}, 1222
—— radioiodine conc.: *see also* Iodine, radioactive
—— SPI; effect of bilat. oophorect'y on, 561
—— steroids: *see* Adrenal preps. & comps.; Progesterone; Steroids
—— sugar: *see* Carbohydrate metabolism; Diabetes; Insulin
—— tetrahydro A in serum of children, 256
BLOOD (*cont.*)
—— thyroidal substs. in: *see* Thyroid preps. & comps.
—— thyroid-stimulating hormone: *see* Pituitary preps. & comps.
—— transfusion; effect on 17-OHCS response to surgery, 1460
—— triiodothyronine & other iodinated substs.: *see* Thyroid preps. & comps.
—— TSH: *see* Pituitary preps. & comps.
—— tyrosines: *see* Thyroid preps. & comps.
—— umbilical cord blood; BEI conc. of, 1373
—— uracil, 1071
BLUE
—— Evans Blue: *see* Dyes
—— tetrazolium; special considerations in use of to measure α-ketols in mixtures of steroids, 889
—— tetrazolium *vs.* P-S chromogen as quant. index of adrenocort. function, 407
—— Trypan Blue: *see* Dyes
BODY
—— fluids: *see* Ascites; Blood; Mucoprotein; Saliva; Tissues; Urine
—— measurements in men with female sex chromatin, 1429
—— tissues: *see* Tissues; and under organ involved
—— temperature: *see* Temperature
—— weight; correlation of early extrathyroidal I^{131} space with, 424
—— weight: *see also* Children; Nutrition
BONE: *see also* Calcium; Parathyroids
—— bones; calcium metab. & homeostasis; review of certain current concepts, 1105
—— bony deformities & amenorrhea in nongoitrous adult with normal SPI & I^{131} uptake; circ'g iodoproteins in, 1141
—— lesions of eosinophilic granuloma; effect of ACTH on, 994
—— metastases to: *see* Thyroid disorders, cancer
BOOK REGISTER: 162, 464, 593, 701, 816, 924, 1260, 1498
BRAIN: *see also* Mental; Nervous system
—— hypothalamus; relation to diabetes insipidus, 565
BREAST: *see also* Ovary; Sex
—— effect of estrogen on, in man with Wilson's disease, 908
—— gynecomastia with adrenocort. ca. (review of lit.), 945
—— lactation and oxytocin, 448
—— suckling; ADS of mother's blood, before and during, 320
BURNS, severe; effect on potentially active plasma AC-steroids, 1158
BUTANOL-EXTRACTABLE IODINE: *see* Iodine

C^{14}: *see* Radioactive
CALCIUM: *see also* Bone; Electrolytes; Parathyroids
—— and magnesium balances in relation to hyperparathyroidism, 1407

CALCIUM (*cont.*)
—— and P of serum; mechanism of parathyroid effect on, 386
—— hypocalcemia in exfol. dermatitis with hypoparathyroidism, 1094, 1099
—— metabolism, bones and calcium homeostasis; review of certain current concepts, 1105
CANCER: *see also* under specific organ involved
—— Can radiation in childhood cause thyroid cancer? 1383
—— co-carcinogen; possibility of estrogen as, in cirrhotic men, 1017
—— hormonal therapy; *see* Adrenal preps.; Androgens; Estrogens; Radioactive
—— I^{131} in study & treat. of: *see* Iodine, radioactive
—— malignant lymphoma *vs.* small-cell ca. of thyroid, 45
—— of thyroid: *see* Thyroid disorders
—— patients bilat. adrenalect'd for: *see* Adrenal disorders
—— patients hypophysect'd for: *see* Pituitary disorders
CAPROATE: *see* Progesterone
CARBOHYDRATE METABOLISM: *see also* Diabetes mellitus; Insulin
—— blood glucose levels; effect of i.v. sodium tolbutamide on, in acute studies, 1124
—— carbohydrate and protein content of urinary mucoids; effect of parathy. extract on, in the rat, 1422
—— glucagon-free insulin; effect of cortisone on hyperglycemic action of, 542
—— glucose Tm and blood level in gigantism +acromegaly; effect of insulin, 377
—— glucose tolerance in adrenocort. ca. with gynecomastia, 945
—— hypoglycemic response to insulin after sulfonylurea by mouth, 603
—— in 12 cases of Cushing's syn. treated by x-rays to pituitary, 8
—— new hypoglycemic agent, 1011
CARCINOMA: *see* Cancer; and under specific organ involved
CASTRATES: *see* Ovary; Testis
CERULOPLASMIN: *see* Copper
CHILDREN: *see also* Familial; and under various endocrine disorders
—— and infants; plasma 17-KS in, 1051
—— and newborn; corticoids of plasma in, 296
—— Can radiation of thymus & neck in childhood cause thyroid cancer? 1383
—— congen. adrenal hyperplasia; excretion of pregnanetriolone in, 1063
—— congen. adrenal hyperplasia; pregnanediol excretion in, 870
—— congen. adrenal hyperplasia; urinary ketosteroid patterns in, 1181
—— congen. adrenocort. hyperplasia with hyperplasia of aberrant (intratest.) adrenal tissue, 1245
—— congen. goiter with high SPI & with tyrosines in serum, 817
—— congen. nonhemolytic jaundice; defect in steroid glucuronide formation in, 1485
CHILDREN (*cont.*)
—— cretinism & juvenile hypothyroidism: *see also* Thyroid disorders, hypothyroidism
—— cretinous children; thyro-pituitary relationships in, 842
—— diabetes insipidus in, controlled by buccal Pitressin, 445
—— infant with adrenogenitalism; fluorohydrocortisone-induced hypertension in, 272
—— infant's and umbilical cord blood; BEI conc. of, 1337
—— infants; bone formation in, 1105
—— mongolism; study of children & parents, 552
—— normal, and with endocrine disorders; pregnanediol excretion in, 870
—— normal; thyroidal I^{131} uptake & PBI^{131} levels in, 61
—— of Venezuela; I^{131} study of endemic goiter in, 99
—— precocious puberty: *see* Puberty, precocious
—— prepubertal; effect of methyltestosterone in PBI in, 854
—— serum BEI in, 1373
—— tetrahydro A in serum of; effect of ACTH, 256
CHILDREN'S HOSPITAL OF PHILADELPHIA. 1957 Courses in Pediatrics, 590
CHLORIDE (salt): *see* Electrolytes; Sodium
CHOLESTEROL
—— of blood; effect of i.v. triac on, in myxedema, 328
—— of plasma in endemic cretinism, 801
—— of serum in mongolism, 552
—— of serum in subacute thyroiditis, 1448
—— tritium cholesterol as a tracer in man, 337
CHORIONIC GONADOTROPIN: *see* Gonadotropins; Pregnancy
CHROMATIN, SEX: *see* Sex
CHROMATOGRAPHY: *see* Methods
CHROMOGENS: *see* Methods
CHROMOSOMAL SEX: *see* Sex
CIBA AWARD: *see* Endocrine Society, awards
CINCINNATI ACADEMY OF MEDICINE, Centennial, 161
CIRRHOSIS: *see* Liver
CLIMACTERIC: *see* Estrogens; Menstruation; Ovary; Uterus
CLINICS, TEACHING: *see* Teaching Clinics
CONFERENCES: *see* Announcements
CONGENITAL: *see also* Children; Familial; Hermaphrodism; Syndromes; and under various endocrinopathies
—— adrenal hyperplasia: *see* Adrenal disorders
—— goiter: *see* Thyroid disorders
—— nonhemolytic jaundice: *see* Liver
CONGRESSES: *see* Announcements
CONJUGATED STEROIDS: *see* Adrenal preps. & comps.; Steroids
CONTENTS OF VOL. 17, page i (Dec. issue)
COPPER
—— ceruloplasmin; effect of androgens on, in women, 910
—— ceruloplasmin; effect of estrogen on, in man with Wilson's disease, 908

CORRECTIONS: 164, 700, 815, 1497
CORTICOIDS; CORTICOSTEROIDS; CORTICOSTERONE: *see* Adrenal preps. & comps.; Steroids
CORTICOTROPIN: *see* Pituitary preps. & comps., ACTH
CORTISOL; CORTISONE: *see* Adrenal preps. & comps.
COURSES
—— Endocrinology
—— assembly, postgraduate: *see* Endocrine Soc., Postgrad. Assembly
—— course, postgraduate, Einstein Med. Center, 1259
—— Hormone conference, Laurentian, 463
—— Pediatrics: Children's Hosp. of Philadelphia, 590
—— Pediatrics & Endocrinology: Harvard Medical School, 462
—— Research Medicine: New York Acad. Medicine, 1016
CREATINE; CREATININE: *see* Nitrogen
CRETINISM: *see* Thyroid disorders, hypothyroidism
CRYPTORCHIDISM: *see* Testis
CUSHING'S SYNDROME: *see also* Adrenal disorders; Pituitary disorders
—— bilaterally adrenalct'd pregnant patient; excretion of pregnanetriol in, 1482
—— effect of ACTH & fluorohydrocortisone on ur. steroids in, 621
—— renal biopsies in; effect of bilat. adrenalectomy, 148
—— three types; plasma corticosterone & hydrocortisone in, 1150
—— tumorous and non-tumorous; response of plasma 17-OHCS to gel-ACTH in, 878
—— without adrenal tumor; pituitary roentgen therapy in 36 cases, 8
CYCLIC: *see* Menstruation

DAILY fluctuation of serum PBI, 849
DBI: *see* Diabetes mellitus
DEHYDROEPIANDROSTERONE: *see* Androgens
11-DEHYDRO-17-HYDROXYCORTICOSTEROIDS: *see* Adrenal preps. & comps.
DE QUERVAIN'S THYROIDITIS: *see* Thyroid disorders
DERMATITIS: *see* Skin
DE(S)OXYCORTICOSTEROIDS; DE(S)OXYCORTICOSTERONE: *see* Adrenal preps. & comps.
DIABETES INSIPIDUS: *see* Pituitary disorders
DIABETES MELLITUS: *see also* Carbohydrate metabolism; Insulin
—— DBI, a new hypoglycemic agent, 1011
—— glucose tolerance test: *see also* Carbohydrate metabolism
—— insulin-resistant, in a case of gigantism +acromegaly; autopsy, 377
—— pyrimidine metabolism in, studied with uracil tol. test, 1071
—— sodium tolbutamide i.v. in acute studies, 1124
DIABETES MELLITUS (*cont.*)
—— sulfonylurea by mouth; the hypoglycemic response to insulin after, 603
17-21-DIHYDROXY-20-KETOSTEROIDS: *see* Adrenal preps. & comps.; Steroids
3α,21-DIHYDROXYPREGNANE,11-20-DIONE: *see* Adrenal preps. & comps.
DIIODOTHYRONINE: *see* Thyroid preps. & comps.
DIIODOTYROSINE: *see* Thyroid preps. & comps.
DIURESIS: *see* Kidney; Pituitary disorders (diab. insip.) and preps. & comps. (post-lobe.); Water
DIURNAL
—— and day-to-day variations in plasma level of androsterone & DHA, 1051
—— fluctuation of serum PBI, 849
—— 17-KS excretion; applic'n to stress & aging, 326
—— rhythm in excretion of THE & THF in men, 777
—— variation in free & conjug'd 17-OHCS in normal subjects, 1191
—— variation in plasma hydrocortisone & corticosterone, 1150
DUODENAL ULCER: *see* Gastro-intest. tract
DWARFISM: *see* Children; Thyroid disorders, hypothyroidism (cretins); Ovary and Testis (gonadal dysgenesis); Syndromes
DYES: Trypan Blue and Evans Blue re "thyroxine-binding protein," 1305
DYSGENESIS, gonadal: *see* Sex; Ovary; Testis

EDITOR, Letters to: *see* Letters to the Editor
EDITORIALS, 676, 797, 1373, 1383
EINSTEIN MEDICAL CENTER; postgrad. course in clin. endocrinology, 1259
ELECTROLYTES: *see also* Calcium; Magnesium; Potassium; Sodium; and in various endocrine disorders
—— balance re 17-OHCS response to surgery; effect of testosterone on, 1460
—— balances in adrenal hyperplasia treated with prednisone, 364
—— calcium and potassium balances; effect of nortestosterone on, 975
—— effect of fluorohydrocortisone on, in adrenal insuffic'y, 280
—— effects of progesterone and estradiol on; role of pituitary, 177
—— excretion foll'g single i.v. dose of hydrocotrisone in normal & addisonian subjects, 186
—— metabolism of, after hypophysectomy in man, 346, 356
—— of serum in euthyroid patients with exoph. & pretibial myxedema, 1466
EMOTIONAL STATES: *see* Mental
ENDEMIC GOITER: *see* Thyroid disorders
ENDOCRINE: *see also* Androgens; Estrogens; Gonadotropins; Hormones; Progesterone; Steroids; and under various endocrine glands
—— abnormalities accompanying cirrhosis & hepatoma, 1017
—— disorders, various, in children; pregnanediol excretion in, 870

ENDOCRINE SOCIETY
ANNUAL MEETINGS
Thirty-ninth, New York, N.Y., May 30–June 1, 1957
—— announcements of, 155, 333, 459, 583, 693
—— program (first session joint with Am. Goiter A.; last session joint with Am. Diabetes A.), 583
Fortieth, San Francisco, California, June 19–21, 1958
—— announcements of, 1013, 1128, 1256, 1389, 1493
AWARDS (Medal of the Endocrine Society; Ciba Award; Ayerst Fellowship; Squibb Fellowship; Schering Scholar; Upjohn Scholar)
for 1957
—— announcements of, 156, 334, 459, 588, 809
—— recipients of, 916
for 1958
—— announcements of, 921, 1013, 1128, 1256, 1390, 1494
FELLOWSHIPS: *see* Endocrine Society, awards
JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM: *see* Journal
MEDAL: *see* Endocrine Society, awards
OFFICERS, COUNCIL, PUBLICATIONS COMMITTEE, EDITORIAL BOARD AND EDITORS
—— *for 1956–57: see* general information pages, front adv. section, Jan.–June issues
—— *for 1957–58: see Ibid.* July–Dec. issues
POSTGRADUATE ASSEMBLY IN ENDOCRINOLOGY & METABOLISM (Ninth; Augusta, Georgia, Oct. 1957; sponsored jointly with the Medical College of Georgia)
—— announcements of, 696, 811 (with program), 923, 1015, 1130, 1258
SCHOLARS: *see* Endocrine Society, awards
ENDOCRINOLOGY
—— assemblies, conferences, meetings: *see* Endocrine Society; and under Announcements
—— courses in: *see* Courses
—— of anorexia nervosa, 766
ENDOMETRIUM: *see* Menstruation; Uterus
ENZYMES
—— alk. phosphatase of serum in sporadic hypothyroidism with goiter, 645
—— alk. phosphatase, P and Mg in relation to hyperparathyroidism, 1407
—— 11β-hydroxylation of DOC by human adrenal homogenates; effect of ACTH; comparison with bovine activity, 933
—— uropepsin excretion correlated with 17-OHCS & 17-KS, 165
EOSINOPHILIC GRANULOMA; treatment of, by ACTH, 994
EOSINOPHILS: *see* Blood; Adrenal physiol. (function); Pituitary preps. (ACTH test)
EPINEPHRINE: *see* Adrenal preps. & comps.
EQUILENIN content of adrenocort. carcinoma, 945
ERRATA: *see* Corrections
ERYTHROCYTES: *see* Blood
ESTRADIOL; ESTRIN; ESTRIOL: *see* Estrogens
ESTROGENS: *see also* Gonadotropins; Hermaphrodism; Menstruation; Ovary; Pregnancy; Progesterone; Sex; Steroids; Uterus
—— effect on ceruloplasmin in man with Wilson's disease, 908
—— equilenin content of adrenocort. carcinoma, 945
—— estradiol; effect on protein and electrolyte metab. foll'g progesterone, 177
—— estrogenic effects in hepatic cirrhosis, 1017
—— excretion; effect of fluorohydrocortisone on, in Klinefelter's syn., 989
—— excretion (estradiol, estriol & estrone) in normal postmenopausal woman; relation to endometrial pattern, 1440
—— excretion adrenocort. ca. with gynecomastia, 945
—— excretion in postmenopausal women after bilat. oophorectomy, 1440
—— excretion, in pregnant addisonian, 1478
—— urinary, in anorexia nervosa, 766
17-ETHYL-19-NORTESTOSTERONE: *see* Androgens
ETIOCHOLANOLONE: *see also* Adrenal preps. & comps.
—— in human urine, 534
—— pyrogenic effect of, 451
EUNUCHISM; EUNUCHOIDISM: *see* Ovary; Testis; Pituitary disorders
EVANS BLUE: *see* Dyes
EXFOLIATIVE DERMATITIS: *see* Skin
EXOPHTHALMIC GOITER: *see* Thyroid disorders, hyperthyroidism
EXOPHTHALMOS: *see* Eyes; and Thyroid disorders
EXTRACTOR, all-glass, for removing steroids from urine, 673
EYES
—— exophthalmos and pretibial myxedema in euthyroid patient, 1466
—— exophthalmos, progressive; effect of hormones, x-rays or pituitary surgery on, 1277
—— exophthalmos: *see also* Thyroid disorders, hyperthyroidism

FAMILIAL
—— goiter and hypothyroidism; metab. of 3:3′-Th in a case of, 1324
—— hereditary male pseudohermaphrodism, 737
—— masculinizing adrenal hyperplasia, 737
—— seminiferous tubule dysgenesis, 703
—— Turner's and Laurence-M-B syndrome in siblings, 985
FELLOWSHIPS: *see* Endocrine Society, awards; and Nat. Institutes of Health
FERTILITY: *see* Pregnancy; Ovary; Testis
FETUS: *see* Pregnancy; Children
FLUOROHYDROCORTISONE: *see* Adrenal preps. & comps.
FOLLICLE-STIMULATING HORMONE (FSH): *see* Gonadotropins; Pituitary
FROG: *see* Pregnancy; Tests
FSH: *see* Gonadotropins; Pituitary

G 25671: *see* with Phenylbutazone
GALL BLADDER: *see* Liver

GASTRECTOMY: *see* Gastro-intest. tract
GASTRIC ULCER: *see* Gastro-intest. tract
GASTRO-INTESTINAL TRACT
—— gastrectomy; effect on potentially active plasma AC-steroids, 1158
—— gastrectomy, partial, for chronic peptic ulcer; corticosteroid response to, 1460
—— gastric activity & adrenocort. function; effect of ACTH, 165
—— gastro-intestinal tract in relation to calcium homeostasis, 1105
—— intestines in myxedema 1354
GENETIC SEX: *see* Sex; Ovary; Testis
GEORGIA, MEDICAL COLLEGE OF: *see* Endocrine Society, postgrad. assembly
GIGANTISM: *see* Pituitary disorders
GLOBULINS: *see also* Protein
—— α_2-globulins; effect of androgens on, in women, 910
GLUCAGON: *see* Carbohydrate metabolism
GLUCOSE: *see* Carbohydrate metabolism; Diabetes mell.; Insulin
GLUCURONIDES: *see* Steroids (conjugation)
GLYCOGEN, endometrial; studies of, 261
GLYCOSURIA: *see* Carbohydrate metabolism; Diabetes mell.
GOITER: *see* Thyroid disorders
GONADOTROPINS: *see also* Pituitary; Pregnancy
—— chorionic, and FSH; excretion in adrenocort. ca. with gynecomastia, 945
—— chorionic; effect of re-use of *Rana pipiens* on reaction to, 1088
—— chorionic; in pregnancy: *see also* Pregnancy
—— excretion; effect of large i.v. doses of progesterone on, 754
—— FSH excretion; effect of fluorohydrocortisone on in Klinefelter's syn., 989
—— urinary, in anorexia nervosa, 766
—— urinary, in Turner's syn., 985
—— urinary; synergism and strain diffs. in the assay of, 805
GONADAL: *see also* Ovary; Sex; Testis
—— dysgenesis; genetic, developmental & hormonal aspects of, 737
—— dysgenesis with menstruation, 902
—— ontogenesis; a review, 703
GONADS: *see* Androgens; Estrogens; Gonadotropins; Ovary; Sex; Testis
GRANTS: *see* Endocrine Society, awards; Am. Soc. Study Sterility; Nat. Institutes of Health
GRANULOMA, eosinophilic, treated by ACTH, 994
GRANULOMATOUS THYROIDITIS: *see* Thyroid disorders
GRAVES' DISEASE: *see* Thyroid disorders, hyperthyroidism
GROWTH: *see also* Children; and under various endocrine glands
—— of bone, 1105
GYNECOMASTIA: *see* Breast

HAIR
—— growth pattern in men with female sex chromatin, 1429
—— hirsutism: *see* assoc'd with Androgens; Adrenal disorders, virilizing; Cushing's syn.; Hermaphrodism
HAPTOGLOBIN: *see* Protein
HARVARD MEDICAL SCHOOL; postgraduate courses in pediatrics (incl. endocrinology), 462
HASHIMOTO'S DISEASE: *see* Thyroid disorders
HEART
—— and aorta in myxedema, 1354
—— size in case of gigantism+acromegaly, 377
HEPATIC: *see* Liver
HEPATOMA: *see* Liver
HEREDITY: *see* Familial
HERMAPHRODISM: *see also* Adrenal disorders; Ovary; Sex; Testis
—— developmental aspects; sex chromatin patterns, 676
—— female pseudo-; relation to adrenogenital syn., 737
—— female pseudo-; urinary metabolites in, 1181
—— male pseudo-; hereditary, 737
—— pseudo; nuclear chromatin in, 454
—— relation of seminiferous tubule dysgenesis to, 703
—— true hermaphrodism; possible relation to Klinefelter's syn., 1002
HIRSUTISM: *see* Hair
HOOKER-FORBES bioassay: *see* Methods
HORMONES: *see also* Androgens; Estrogens; Gonadotropins; Progesterone; Steroids; and under various endocrine glands
HYDROCORTISONE: *see* Adrenal preps. & comps.
17-HYDROXYCORTICOSTEROIDS: *see* Adrenal preps. & comps.
11β-HYDROXYLATION: *see* Enzymes
17-HYDROXYPROGESTERONE: *see* Progesterone
HYPERGLYCEMIA: *see* Carbohydrate metabolism; Diabetes mell.
HYPERTENSION: *see* Vascular system
HYPERTHYROIDISM: *see* Thyroid disorders
HYPERTRICHOSIS: *see* Hair
HYPOGENITALISM: *see* Ovary; Sex; Testis
HYPOGLYCEMIA: *see* Carbohydrate metabolism; Diabetes mell.; Insulin
HYPOGONADISM: *see* Sex; Ovary; Testis
HYPOMETABOLISM: *see* Thyroid disorders, hypothyroidism
HYPOPHYSECTOMY: *see* Pituitary
HYPOPHYSIS: *see* Pituitary
HYPOPITUITARISM: *see* Pituitary disorders
HYPOTHALAMUS; relation to diabetes insipidus, 565
HYPOTHYROIDISM: *see* Thyroid disorders

INDEX to Vol. 17
—— author, 1500
—— subject, 1507
INFANTS: *see* Children; Pregnancy
INFERTILITY: *see* Ovary; Sex; Testis
INSULIN: *see also* Carbohydrate metabolism; Diabetes mell.
—— effect of sulfonylurea by mouth on hypoglycemic response to, 603
—— effect on uracil tol. test in diabetes, 1071

INSULIN (*cont.*)
—— hyperglycemic action of insulin preps.; cortisone potentiation of, 542
—— resistance in case of gigantism+acromegaly (autopsy), 377
INTERNATIONAL
—— Abstracts of Biological Sciences; title & coverage, 160
—— Conference on Goiter, 4th (London, 1960), 1394
—— Congress (9th) on Rheumatic Diseases, 590
—— Federation of Gynaec. & Obst., 2nd World Congress, 1497
—— Medical-Surgical Meetings, 591
—— Symposium (3rd) on Radioactive Isotopes in Clin. Med. & Research (Apr. 1958), 815
INTERSEX: *see* Sex
INTER-SOCIETY Cytology Council Annual Meeting, 1259
INTERSTITIAL CELLS: *see* Testis
INTESTINES: *see* Gastro-intest. tract
IODINE: *see also* Thyroid preps. & comps.
—— active stores of, and daily hormonal output of intact thyroid, 832
—— butanol-extractable, of serum; effect of iodine on; clin. significance, 1373
—— I^{127} and I^{131} metab. in cirrhosis, 1229
—— iodinated amino-acids of the thyroid in nontoxic nodular goiter, 1313
—— iodinated compounds: *see also* Thyroid preps. & comps.
—— iodoproteins of serum in Hashimoto's dis.; thyroglobulin precipitins, 1293
—— iodoproteins of serum in nongoitrous adult with amenorrhea, bony deformities and normal SPI & I^{131} uptake, 1141
—— iopanoic acid (Telepaque); effect on thyroidal I^{131} uptake, 1008
—— lack of, in endemic cretinism? 801, 803
—— metabolism; the disturbance in, produced by thyroid surgery, 483
—— PBI and I^{131} uptake depressed by testosterone in absence of hypothyroidism, 854
—— PBI compared with BMR as a measure of thyroid funct.; defense of BMR, 797
—— PBI; daily fluctuation of, 849
—— PBI; effect of TSH on, 1347
—— PBI in subacute thyroiditis, 1448
—— Priodax and Telepaque; effect on thyroid funct. tests, 82
—— Priodax, with & without TSH; effect on thyroidal I^{131} uptake, 94
—— serum precipitable; effect of bilat. oophorectomy on, 561
RADIOACTIVE
—— accumulated I^{131}; exchangeable character of, in a goitrous cretin; effect of KSCN, 441
—— high SPI and also tyrosines in serum in congen. goiter studied with I^{131}, 817
—— I^{131} and I^{127}; thyroidal uptake & plasma clearance of, in cirrhosis, 1229
—— I^{131}-3:3′-diiodothyronine metabolism in thyroid dis., 1324
—— I^{133} in treatment of Graves' dis., 1222
—— I^{131}-labeled thyroid hormones; factors affecting binding of by erythrocytes, 1305
—— I^{131}-labeled thyroid hormones in plasma; effect of TSH on, 1332
—— I^{131}-labeled thyroidal amino-acids in nontoxic nodular goiter, 1313
—— I^{131}-labeled thyroxine, i.v.; turnover in nonmyx. hypometabolism, 1365
—— I^{131} of thyroid and blood in anorexia nervosa, 766
—— I^{131}-Priodax in study of effect on thyroid function tests, 82
—— I^{131} space, early extrathyroidal; correlation with body weight, 424
—— I^{131} studies in xeroderma pigmentosum & goitrous cretinism, 151
—— I^{131} study of thyroid function in mongoloid subjects & parents, 552
—— I^{131} tests in co-existent thyrotoxicosis & Addison's dis., 143
—— I^{131} therapy for pulmonary metast.; pneumonitis & fibrosis as complication, 1263
—— I^{131} trapping and binding; effects of amphenone on, 1131
—— I^{131}-triiodothyronine i.v. in euthyroid patients with pretibial myxedema & exoph.; distrib. in skin & serum; thyroidal secretion rate, 1466
—— I^{131}-triiodothyronine uptake by RBC; new method for study of, 33
—— I^{131} uptake and PBI^{131} in normal children, 61
—— I^{131} uptake and PBI in sporadic hypothyroidism with goiter, 645
—— I^{131} uptake; effect of neck scatter on *in vivo* measurement of, 966
—— I^{131} uptake; effect of phenylbutazone and G 25671 upon, 416
—— I^{131} uptake; effect of Priodax, with & without TSH, on, 94
—— I^{131} uptake; effect of Telepaque on, 1008
—— I^{131} uptake in granulomatous thyroiditis, 1202
—— I^{131} uptake, SPI & circ'g iodoproteins in endocrine syndrome, 1141
—— in study of active stores of I^{127} in thyroid, 832
—— in study of chronology of subacute thyroiditis, 1448
—— in study of endemic goiter in Venezuela, 99
—— in study of metab. of *l*-diiodotyrosine in hypothyroidism, 654
—— in study of thyroidal hormonal iodine pool in thyrotoxicosis & foll'g surgery, 483
—— metabolism in endemic cretinism, 801, 803
—— PBI^{131}; effect of anesthesia & thyroid surgery on, 76
—— relationship to carcinogenesis, 1383
—— thyroidal I^{131} change rate (in 8–48 hours) as index of thyroid funct., 126

IODINE (*cont.*)
RADIOACTIVE (*cont.*)
—— thyroidal secretion rate (I^{131}); quant. effect of TSH on, 1030
IODOALPHIONIC ACID: *see* Iodine (Priodax)
IODOPROTEINS: *see* Iodine; Thyroid preps. & comps.
IOPANOIC ACID: *see* Iodine (Telepaque)
IRRADIATION: *see* Radioactive; Roentgen ray
ISONICOTINIC ACID HYDRAZIDE REACTION for det'n of plasma Δ^4-3-keto-corticosteroids, 959
ISOTOPES: *see* Radioactive

JAPAN; association of periodic paralysis & hyperthyroidism in, 1454
JAUNDICE: *see* Liver
JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM
—— contents of Vol. 17 (1957), page i, December issue
—— Editorial Board, Editors, Publications Committee, *see* Editorial page, front adv. section
—— Editorials: *see* Editorials
—— indexes to Vol. 17 (1957)
—— author, 1500
—— subject, 1507
—— Letters to the Editor: *see* Letters to the Editor
—— notice to contributors—insert before first page, July–Oct. issues
—— notice to readers, 1015
JUVENILE: *see* Children

Δ^4-3-KETOCORTICOSTEROIDS: *see* Adrenal preps. & comps.
α-KETOLS: *see* Adrenal preps. & comps.
KETOSTEROIDS & 17-KETOSTEROIDS: *see* Steroids; Adrenal preps. & comps.
KIDNEY: *see also* Urine
—— diuresis: *see also* Pituitary disorders (diab. insip.) and preps. & comps. (antidiur. hormone); Water
—— in relation to calcium homeostasis, 1105
—— phosphorus reabsorption index; analysis of; significance, 1472
—— renal biopsies in Cushing's syndrome, 148
—— renal clearance of neutral 17-KS in man, 238
—— renal conservation of magnesium foll'g removal of parathyroid adenoma, 1407
—— size and function in case of gigantism & acromegaly, 377
KLINEFELTER'S SYNDROME: *see* Testis; Sex; Syndromes

LACTATION: *see* Breast; Pregnancy
LAENNEC'S CIRRHOSIS: *see* Liver, cirrhosis
LAURENCE-MOON-BIEDL SYNDROME and Turner's syndrome in siblings, 985
LAURENTIAN HORMONE CONFERENCE (1957 program), 463
LETTERS TO THE EDITOR, 148, 151, 317, 320, 323, 326, 328, 331, 434, 437, 441, 445, 448, 451,
LETTERS TO THE EDITOR (*cont.*)
454, 801, 803, 805, 908, 910, 913, 914, 1002, 1005, 1008, 1011, 1124, 1252, 1472, 1476, 1478, 1482, 1485, 1489
LEUKOCYTES: *see* Blood; Sex (chromatin)
LEUKOCYTOSIS foll'g admin. of etiocholanolone, 451
LEYDIG CELLS: *see* Testis
LIPIDS & LIPOPROTEINS: *see* Cholesterol; Protein
LIVER
—— cholecystography (Priodax) as it affects thyroid funct. tests, 82, 94
—— cirrhosis and hepatoma; endocrine abnorms. accomp'g, 1017
—— cirrhosis; thyroidal uptake & plasma clearance of I^{131} & I^{127} in, 1229
—— disease, with & without ascites; metab. of free and conjug'd 17-OHCS in, 1395
—— gall bladder; hypotonia of, in myxedema, 133
—— hepatic plasma; half-life of 4-C^{14}-OH-corticosterone in, 1
—— inactivation of antidiuretic substance by, in cirrhosis, 1081
—— intraportal i.v. progesterone; pregnanediol excretion foll'g, 595
—— jaundice, nonhemolytic, congenital; defect in steroid glucuronide formation in, 1485
—— perfused, isolated, of rat; hydrocortisone metab. in, 111
—— role of, in metab. of adrenal steroids, 296
—— size, in case of gigantism+acromegaly, 377
—— Wilson's disease (hepatolenticular degen.); effect of estrogen on ceruloplasmin in, 908
LYMPHOMA, malignant, of thyroid, *vs.* small-cell ca., 45
LUNGS
—— pneumonitis and fibrosis from I^{131} treat. of pulmonary metastases, 1263
—— size in case of gigantism+acromegaly, 377

MAGNESIUM studies in relation to hyperparathyroidism, 1407
MALNUTRITION: *see* Nutrition
MAMMARY GLAND: *see* Breast
MEDAL: *see* Endocrine Society, awards
MEETINGS: *see* Announcements
MENOPAUSE: *see* Menstruation; Ovary; Uterus
MENSTRUATION: *see also* Estrogens; Progesterone; Ovary; Uterus
—— amenorrhea and bony deformities in nongoitrous adult with normal SPI & I^{131} uptake; circ'g iodoproteins in, 1141
—— cycle; endometrial glycogen curve, 261
—— cyclic changes in female saliva, 913
—— cyclic variations in eosinophil count, 862
—— effect on plasma 17-KS, 1051
—— gonadal dysgenesis with, 902
—— luteal phase; changes in PBI during, 849
—— menopausal women; effect of large i.v. doses of progesterone on gonadotropic excretion in, 754
—— pattern in 9 cases of Cushing's syn. with-

MENSTRUATION (*cont.*)
out ad. tumor treated by x-rays to pituitary, 8
—— phase of cycle in relation to conversion of progesterone to pregnanediol, 595
—— postmenopausal women, normal; estrogen excretion in, related to endometrial pattern, 1440
MENTAL: *see also* Brain; Nervous system; Stress
—— emotional and schizophrenic states; excretion of epinephrine & nor-epi. in, 608
—— psychogenic polydipsia *vs.* diabetes insip., 565
—— psychosexual behavior in 31 men with female sex chromatin, 1429
—— schizophrenia; excretion of THF, allo-THF and THE in, 434
—— schizophrenic men; excretion of tetrahydrocortisol & tetrahydrocortisone in, 777
MEPROBAMATE; influence on estimation of urinary steroids, 914
METICORTEN: *see* Adrenal preps. & comps. (prednisone)
METHIMAZOLE; comparison with amphenone as inhibitor of thyroid function, 1131
METHODS: *see also* Tests
—— assay of ACTH, 632
—— assay of ur. gonadotropins; synergism & strain diffs. in, 805
—— calculations of I turnover rates & vols. of distrib'n, 483
—— chromogen; Porter-Silber *vs.* blue tetrazolium as quant. index of adrenocort. function, 407
—— compact apparatus for ascending paper chromatography, 1476
—— for 17,21-dihydroxy-20-ketosteroids in plasma, 502
—— for 11-oxygenated 17-ketogenic ur. steroids, 116
—— for qual. and quant. estimation of pregnanetriolone, 1063
—— for quant. det'n of progesterone in plasma, 317
—— for separation and det'n of tetrahydrocortisol & tetrahydrocortisone in urine, 777
—— Hooker-Forbes bioassay in det'n of biologic activity of progesterone-like comps., 658
—— identification of testosterone in spermatic vein blood, 465
—— improved all-glass extractor for removing steroids from urine, 673
—— INH reaction for plasma Δ^4-3-ketocorticosteroids, 959
—— measurement of active iodine stores & daily hormonal output of thyroid, 832
—— methodology re blood corticoids, 296
—— mock-up for det'g neck scatter of I^{131}, 966
—— new, *in vitro*, for study of uptake of labeled hormonal components by RBC, 33
—— open *vs.* closed circuit for det'g basal rate of O_2 consumption (BMR), 786, 797
—— oxycellulose, modified, for det'n of ACTH in blood & urine, 512
METHODS (*cont.*)
—— phosphorus reabsorption index; theoretical & practical implications, 1472
—— special considerations in use of blue tetrazolium for measuring α-ketols mixed with other steroids, 889
—— statistical techniques for drug assays, 632
—— uracil tolerance test, 1071
—— Zimmermann reaction; use of an organic base in, 331
METHYLTESTOSTERONE: *see* Androgens
MONGOLISM; radioisotope study of thyroid function in 21 mongoloid subjects and 7 parents, 552
MONO-IODOTYROSINE: *see* Thyroid preps. & comps.
MOUSE *vs.* rabbit or human subject; biologic activity of 17α-OH-progesterone in, 667
MUCIN: *see* Protein (mucoprotein)
MUCOPOLYSACCHARIDE-PROTEIN complex: *see* Protein
MUCOPROTEIN (SEROMUCOID): *see* Protein
MUCUS; endometrial & cervical: *see* Uterus
MUSCLE
—— muscular dystrophy, progressive; isolation of myoglobin in, 1489
—— of heart in myxedema, 1354
MYOGLOBIN: *see* Muscle (musc. dystrophy)
MYXEDEMA: *see* Thyroid disorders, hypothyroidism

NATIONAL INSTITUTES OF HEALTH
—— grants of anterior pituitary hormones, 159
—— grants of racemic aldosterone, 699
—— training program in steroid biochemistry, 815
NECK scatter; effect on measurement of thyroidal I^{131}, 966
NERVOUS SYSTEM: *see also* Brain; Mental; Stress
—— periodic paralysis+hyperthyroidism in Japan; effect of thyroidectomy, 1454
NEW hypoglycemic agent, 1011
NEWBORN: *see* Children; Pregnancy
NEW YORK ACADEMY OF MEDICINE, Postgraduate Week, 1016
NITROGEN: *see also* Protein
—— and creatinine excretion foll'g single i.v. dose of hydrocortisone in normal and addisonian subjects, 186
—— and magnesium balances in relation to hyperparathyroidism, 1407
—— balance; effect of fluorohydrocortisone on, in adrenal insuff'y, 280
—— balance; effect of i.v. triac on, in myxedema, 328
—— balance; effect of nortestosterone on, 975
—— balance in adrenal hyperplasia treated with prednisone, 364
—— balance in myxedema foll'g *l*-triiodothyronine; effect of testosterone, 221
—— balance in relation to 17-OHCS response to surgery; effect of testosterone & of blood transfusion, 1460
—— creatinine & P reabsorp. index in det'n of renal clearance, 1472

NITROGEN (*cont.*)
—— metabolism after hypophysectomy in man, 346
—— metabolism; effects of progesterone and estradiol on; role of pituitary, 177
NOREPINEPHRINE: *see* Adrenal preps. & comps., epinephrine
NORMAL: *see also* under effects of various endocrine preps. & comps.
—— children; pregnanediol excretion in, 870
—— man; rate of metabolism of cortisol in, 1
—— subjects; metabolism of free & conjug'd 17-OHCS in, 1191
19-NOR STEROIDS: *see* Steroids
NORTESTOSTERONE: *see* Androgens
NOTICES: *see* Endocrine Society; Journal; Am. Goiter A.; and under Announcements
NUCLEAR CHROMATIN: *see* Sex, chromatin
NUTRITION: *see also* Growth; Weight
—— (malnutrition) anorexia nervosa, 766

ONTOGENESIS
—— gonadal; a review, 703
—— ontogenetic differentiation, 737
OVARY: *see also* Breast; Estrogens; Gonadotropins; Hermaphrodism; Menstruation; Pregnancy; Progesterone; Sex; Uterus
—— amenorrhea: *see also* Menstruation, Pregnancy
—— bilat. oophorectomy in postmenopausal women; estrogen excretion foll'g, 1440
—— female pseudohermaphrodites, relation to adrenogen. syn.; pseudofemales, 737
—— female sex chromatin in 31 men with small testes, 1429
—— female sex chromatin pattern in seminiferous tubule dysgenesis, 703
—— females; cyclic changes in saliva, 913
—— females; daily fluct. of PBI in, 849
—— feminizing adrenocort. ca.; review of lit., 945
—— genetic sex; hermaphrodism; chromatin patterns, 676
—— gonadal failure in anorexia nervosa, 766
—— human female; ADH in, through gestation cycle, 320
—— human female; effect of large i.v. doses of progesterone on gonadotropin excretion in, 754
—— in myxedema, 1354
—— infertility & endometrial glycogen, 261
—— menstrual disorders: *see also* Menstruation
—— oophorect'd women; progestational activity of certain 19-nor steroids in, 1252
—— oophorectomy, bilat.; effect on circ'g thyroid hormone, 561
—— ovariect'd, hypophysect'd, adrenalect'd woman; effects of progesterone in, 177
—— preparations: *see* Estrogens; Progesterone
—— pseudohermaphrodism, female: *see also* Hermaphrodism
—— sex chromatin and intersex, 454
—— sex chromatin patterns: *see also* Sex, chromatin
—— surgically castrated women; effects of 17-α-OH-progesterone acetate in, 1237
OVARY (*cont.*)
—— therapy: *see also* Estrogens; Gonadotropins; Progesterone; Steroids
—— true hermaphrodism re Klinefelter's syn., 1002
—— Turner's syndrome in woman with male sex chromatin, 985
—— women; effect of androgens on α_2-globulins in, 910
OX: *see* Species (bovine)
OXYCELLULOSE method: *see* Methods
OXYGEN: *see also* Basal Metabolism
—— basal rate of consumption, by open & closed-circuit methods, 786
—— basal rate of consumption—(Editorial) in defense of the BMR, 797
OXYTOCIN: *see also* Pituitary preps. & comps., post. lobe
—— oxytocin and lactation, 448

PAN-AMERICAN (4th) Congress on Endocrinology 591
PANCREAS: *see* Carbohydrate metabolism; Diabetes mellitus; Insulin
PARALYSIS: *see* Nervous system
PARATHYROID: *see also* Calcium; Phosphorus
—— damage; mechanism of effect on serum Ca & P, 386
—— hyperparathyroidism; magnesium studies in relation to, 1407
—— hypoparathyroidism; exfol. dermatitis as presenting sign of, 1094, 1099
—— in relation to calcium metabolism and bone, 1105
—— parathyroid disease; serum mucoprotein in; effect of operation and of parathyroid extract, 1422
—— parathyroid hormone; inactiv'n of, in clin. hypoparathyroidism, 1099
—— third variety of hypoparathyroidism? 1099
PAROTID gland in myxedema (2 necropsies), 1354
PEDIATRICS; courses in: *see* Courses
PERIODIC PARALYSIS: *see* Nervous system
PHENYLBUTAZONE and related analogue (G 25671); effect upon thyroid funct., 416
PHOSPHATASE: *see* Enzymes; Phosphorus
PHOSPHORUS: *see also* Bone; Parathyroids
—— and calcium of serum; mechanism of parathyroid effect on, 386
—— and magnesium balances & alk. phosphatase in relation to hyperparathyroidism, 1407
—— balance; effect of nortestosterone on, 975
—— balance in adrenal hyperplasia treated with prednisone, 364
—— excretion in case of hypocalcemia with exfol. dermatitis; inactivation of Parathormone, 1099
—— in relation to bones and parathyroids, 1105
—— metabolism after hypophysectomy, 346
—— phosphate and mucoprotein excretion in rat; effect of parathyroid extract on, 1422
—— phosphate, inorganic, of plasma in case of gigantism+acromegaly, 377

PHOSPHORUS (*cont.*)
—— reabsorption index; analysis of; significance, 1472
PIGMENT: see also Adrenal disorders (Addison's disease)
—— myoglobin in progr. muscular dystrophy, 1489
—— pigmentation, non-addisonian; effect of ACTH on various urinary adrenal steroids in, 1168
—— xeroderma pigmentosum and goitrous cretinism, 151
PITRESSIN: *see* Pituitary preps. and comps. (post. lobe)
PITUITARY: *see also* Gonadotropins
DISORDERS
—— diabetes insipidus after hypophysectomy in man; role of ADH, 346, 356
—— diabetes insipidus; control of, by buccal admin. of post. pit. powder (Pitressin), 445
—— diabetes insipidus—Teaching Clinic (Review), 565
—— gigantism+acromegaly; renal funct. studies; autopsy, 377
—— hypophysect'd, adrenalect'd, ovariect'd woman; effect of progesterone in, 177
—— hypophysectomy; adrenal function after, 356
—— hypophysectomy in man; regulation of salt metabolism after, 346, 356
—— hypopituitarism; effect of 17-OH-progesterone & caproate ester in, 323
—— hypopituitarism foll'g pituitary surgery for exoph. of Graves' disease, 1277
—— hypopituitarism; plasma corticosterone & hydrocortisone in, 1150
—— pituitary eunuchoidism; ur. metabolites of cortisol in, 1168
—— pituitary myxedema; histogenesis of, 925
—— pituitary myxedema; pathologic changes in, 1354
—— pituitary surgery in treat. of exoph. of Graves' disease, 1277
GONADOTROPINS: *see also* Gonadotropins
HORMONES: *see also* Gonadotropins; and Pituitary preps. & comps.
—— grants of, by Nat. Institutes of Health, 159
PHYSIOLOGY & PATHOLOGY
—— cytologic changes in hepatic cirrhosis, 1017
—— function in anorexia nervosa, 766
—— histology, in congen. ad. hyperplasia with intratest. adrenal tissue, 1245
—— in myxedema, 1354
—— roentgen therapy of, in treatment of 36 cases of Cushing's syn. without ad. tumor, 8
—— thyro-pituitary relationships in cretins, 842
PREPARATIONS & COMPOUNDS—ANTERIOR LOBE
ACTH—Adrenocorticotropic Hormone: see also Adrenal physiology
—— dangers of admin. in Addison's disease, 1168
PITUITARY (*cont.*)
PREPARATIONS & COMPOUNDS (*cont.*)
—— effect on excretion of corticoids in chronic asthenia, 519
—— effect on excretion of pregnanetriolone, 1063
—— effect on excretion of steroids in Cush. syn., 621
—— effect on excretion of tetrahydro S, 250
—— effect on free & conjug'd 17-OHCS in normal subjects, 1191
—— effect on 11β-hydroxylation of DOC by human adrenal homogenates (histologic patterns), 933
—— effect on plasma corticosterone & hydrocortisone, 1150
—— effect on plasma 17-OHCS in myx., 1347
—— effect on potentially active plasma AC-steroids, 1158
—— effect on relationship between gastric & adrenal activity, 165
—— effect on tetrahydro A in serum of children, 256
—— effect on various ur. adrenal steroids in Add. dis. & in eunuchoidism, 1168
—— gel-ACTH; response of plasma 17-OHCS to, in varieties of Cushing's syn., 878
—— i.m.; excretion of 17-KS after, 395
—— in blood and urine; det'n of, by modified oxycellulose method, 512
—— in blood, in anorexia nervosa, 766
—— in tests of adrenal function, 296
—— in treatment of eosinophilic granuloma, 994
—— in treatment of exoph. of Graves' disease, 1277
—— i.v.; effect on plasma hydrocortisone; application to assay of ACTH, 632
—— i.v.; response of urinary P-S and B-T chromogens and 17-KS to, 407
—— repository (Zn) corticotropin; response of plasma 17-OHCS to, 390
—— test in adrenocort. carcinoma with gynecomastia, 945
—— therapy in exfol. dermatitis with hypoparathyroidism, 1094
—— withdrawal sympts. in hypophysect'd *vs.* adrenalect'd subject, 356
FSH: see Gonadotropins
Gonadotropic Hormone: see Gonadotropins
TSH—Thyroid-Stimulating Hormone: see also Thyroid disorders & physiology
—— and Priodax; effect on thyroidal I^{131} uptake, 94
—— effect on mucoproteins of skin in myxedema, 925
—— effect on phenylbutazone or cortisone-induced depression of I^{131} uptake, 416
—— effect on plasma pattern of thyroid hormones, 1332
—— in subacute thyroiditis, 1448
—— of serum in cretins; effect of thyroid therapy, 842

PITUITARY (*cont.*)
PREPARATIONS & COMPOUNDS (*cont.*)
TSH (*cont.*)
—— quant. effect of, on thyroidal secretion rate in thyrotoxicosis, 1030
—— relationship to thyroid cancer, 232
—— TSH-released PBI^{131} in study of active iodine stores of the thyroid, 832
PREPARATIONS & COMPOUNDS—POSTERIOR LOBE
—— antidiuretic hormone (Pitressin); effects in diabetes insip. *vs.* psychogenic polydipsia, 565
—— antidiuretic hormone (vasopressin) in the human female, through gestation cycle, 320
—— oxytocin and lactation, 448
—— Pitressin; inactivation of, by cirrhotic liver tissue, 1081
—— post. pituitary powder (Pitressin), buccal; control of diabetes insip. by, 445
PLACENTA: *see* Pregnancy; Gonadotropins, chorionic
POLYDIPSIA, psychogenic, *vs.* diabetes insipidus, 565
PORTAL hypertension: *see* Liver, cirrhosis
POTASSIUM: *see also* Electrolytes
—— balance; effect of nortestosterone on, 975
—— metabolism; effect of fluorohydrocortisone on, in adrenal insuff'y, 280
—— perchlorate; effect on thyroidal I^{131} uptake in Venezuelan endemic goiter, 99
—— thiocyanate: *see* Thiocyanate
PORTER-SILBER (P-S) CHROMOGENS: *see* Adrenal preps. & comps.
POSTGRADUATE ASSEMBLY IN ENDOCRINOLOGY & METABOLISM: *see* Endocrine Society
POSTGRADUATE COURSES in Endocrinology: *see* Courses
POTENTIALLY active adrenocortical steroids in plasma after various stresses, 1158
PNEUMONITIS: *see* Lungs
PRECIPITINS against thyroglobulin in Hashimoto's struma, 1141, 1293
PREDNISOLONE; PREDNISONE: *see* Adrenal preps. & comps.
PREGNANCY: *see also* Estrogens; Gonadotropins; Menstruation; Ovary; Progesterone
—— aldosterone excretion in, 473
—— and suck ing; ADS of blood during, 320
—— chorionic gonadotropin in: *see also* Gonadotropins
—— corticoids of plasma in, 296
—— decreased RBC uptake of I^{131}-triiodothyronine in, 33
—— excretion of pregnanetriol in, 1482
—— excretion of tetrahydro S in, 250
—— lack of pregnanetriolone excretion in, 1063
—— lactation: see also Breast
—— placenta; BEI of umbilical cord blood *vs.* maternal blood, 1373
—— placenta; role in metabolism of corticoids, 1478, 1482
—— plus Addison's disease; lack of plasma cortisol & ur. aldosterone in, 1478
—— pregnanediol in: *see also* Pregnanediol
—— pregnanetriolone in: *see also* Pregnanetriolone
PREGNANCY (*cont.*)
—— serum BEI *vs.* SPI in, 1373
—— suckling; oxytocic activity of blood before and during, 448
—— test for; effect of re-use of *Rana p.* on accuracy of, 1088
PREGNANEDIOL: *see also* Progesterone; Pregnancy
—— excretion foll'g intraportal or intrasystemic i.v. progesterone, 595
—— excretion in normal children and in those with endocrine disorders, 870
—— excretion in pregnant addisonian, 1478
PREGNANETRIOL (PREGNANE-3α-17α-20α-TRIOL)
—— excretion in bilat'y adrenalect'd (Cushing's dis.) pregnant patient, 1482
—— excretion in congen. adrenal hyperplasia, 1181
PREGNANE-3α,17α,21-TRIOL-20-ONE: *see* Adrenal preps. & comps.
PREGNANE-3α,17α,20α-TRIOL-11-ONE: *see* Pregnanetriolone
PREGNANETRIOLONE: *see also* Adrenal preps. & comps.
—— excretion in pregnancy (incl. case of Add. dis.), 1482
—— test for qual. & quant. estim. of in urine; significance in adrenal disorders, 1063
PRETIBIAL MYXEDEMA: *see* Skin
PRIODAX: *see* Iodine
PROBENECID; effect on plasma & urinary levels of neutral 17-KS, 238
PROGESTERONE: *see also* Estrogens; Menstruation; Pregnancy; Steroids
—— content of adrenocort. carcinoma, 945
—— effect on protein & electrolyte metab. foll'g estradiol; role of pituitary, 177
—— 17α-hydroxyprogesterone acetate; an effective progestational substance on oral admin.; comparison with anhydrohydroxyprogesterone, 1237
—— 17α-hydroxyprogesterone and 17-caproate ester; lack of androgenicity, 323
—— 17α-hydroxyprogesterone; biologic activity of, in mouse, rabbit and man, 667
—— intraportal or intrasystemic admin. of; pregnanediol excretion foll'g, 595
—— large i.v. doses; effect on gonadotropin excretion, 754
—— pregnanediol: *see* Pregnanediol
—— progestational activity of certain 19-nor steroids in oophorect'd women, 1252
—— progesterone-like compounds; biologic activity of, as det'd by Hooker-Forbes bioassay, 658
—— quant. det'n of, in plasma, 317
PROGRAMS: *see* Endocrine Society (Ann. Meeting and Postgrad. Assembly); Am. Goiter A.; Laurentian Hormone Conf.
PROGRESSIVE muscular dystrophy: *see* Muscle
PROPYLTHIOURACIL: *see* Thiouracil
PROTEIN: *see also* Nitrogen
—— albumins & globulins of plasma; effect on I^{131}-thyroxine binding by RBC, 1305
—— binding in human plasma; studies with androsterone, 238
—— ceruloplasmin: *see* Copper
—— α_2-globulins, haptoglobin and cerulo-

PROTEIN (*cont.*)
plasmin; effect of androgens on, in women, 910
—— iodoproteins of serum in nongoitrous adult with amenorrhea, bony deforms. & normal SPI & I^{131} uptake, 1141
—— mucoprotein of serum in thyroid & parathyroid disease, 1422
—— mucoprotein of skin in myxedema, 925
—— myoglobin; isolation of, in progr. muscular dystrophy, 1489
—— protein-bound iodine of serum: *see also* Iodine
—— proteins of serum in Hashimoto's dis.; thyroglobulin precipitins, 1293
PSEUDOHERMAPHRODISM: *see* Hermaphrodism; Ovary; Testis
PSYCHOGENIC (PSYCHOLOGIC) FACTORS: *see* Mental; Nervous system; Stress
PSYCHOSOMATIC MEDICINE, ACADEMY OF; 1957 Ann. Meeting, 1130
PUBERTY
—— normal: *see* Children; Ovary; Testis
—— precocious, pseudo-, due to IC tumor of testis, 291
—— precocious: *see also* Adrenal disorders
PUBLIC HEALTH SERVICE: *see* National Institutes of Health
PYRIMIDINE metabolism in diabetes studied with uracil tolerance test, 1071
PYROGENIC effect of etiocholanolone, 451

RABBITS *vs.* mouse or human subject; biologic activity of 17α-OH-progesterone in, 667
RADIATION: *see also* Radioactive; Roentgen
—— atomic; effects of; statement by U. N. Sci. Committee, 592
—— pneumonitis and fibrosis as complication of I^{131} therapy for pulmonary metastases, 1263
RADIOACTIVE
—— 4-C^{14}-cholesterol in study of urinary steroids, 337
—— 4-C^{14}-corticosteroids: *see also* Adrenal preps. & comps.
—— 4-C^{14}-cortisol; conversion of, to C^{14}-17-KS, 437
—— 4-C^{14}-cortisol metabolism; effect of Δ^1-17-OHCS on, 395
—— 4-C^{14}-hydrocortisone i.v.; excretion of steroids foll'g in congen. nonhem. jaundice, 1485
—— 4-C^{14}-17-hydroxycorticosterone; rate of metabolism in normal man, 1
—— C^{14}-prednisolone and C^{14}-cortisol metabolism, 1040
—— I^{131} and I^{133}: *see* Iodine, radio
—— tritium cholesterol as a tracer, 337
RADIOIODINE: *see* Iodine, radioactive
RANA PIPIENS: *see* Pregnancy; Tests
REACTION, Zimmermann: *see* Methods
RECIPIENTS OF AWARDS: *see* Endocrine Society; Am. Goiter Assoc.
RENAL: *see* Kidney; Urine
REPRODUCTION: *see* Menstruation; Ovary; Pregnancy; Testis
RESEARCH Methods & Instrumentation; Symposium on, 592
REVIEWS, 296, 565, 676, 1105, 1373, 1383
RIEDEL'S STRUMA: *see* Thyroid disorders, thyroiditis
ROENTGEN-RAY
—— Can radiation in childhood cause thyroid cancer? 1383
—— irradiation of pituitary in treat. of exoph. of Graves' disease, 1277
—— pituitary roentgen therapy in 36 cases of Cushing's syn. without adrenal tumor, 8
—— therapy, adjunctive: *see also* in various endocrine diseases

SALIVA of females; cyclic changes in, 913
SALT: *see also* Electrolytes
—— metabolism; regulation of, after hypophysectomy in man, 346, 356
SCHERING SCHOLAR: *see* Endocrine Society, awards
SCHIZOPHRENIA: *see* Mental
SCHOLARS OF THE ENDOCRINE SOCIETY: *see* Endocrine Society, awards
SCHOLARSHIPS: *see* Endocrine Society, awards; Grants
SEMINIFEROUS TUBULE DYSGENESIS: *see* Testis
SEX: *see also* Androgens; Estrogens; Gonads; Hermaphrodism; Ovary; Testis
—— chromatin and intersex, 454
—— chromatin in gonadal dysgenesis with menstruation, 902
—— chromatin in Turner's syndrome, 985
—— chromatin pattern in human sexual abnormalities, 737
—— chromatin pattern in seminiferous tubule dysgenesis & other testic. disorders (complete sex reversal), 703
—— chromatin patterns and developmental aspects of hermaphrodism, 676
—— effect on plasma androsterone and DHA levels, 1051
—— inversion; genetic, developmental & hormonal aspects of gonadal dysgenesis, 737
—— males and females; daily fluct. of PBI in, 849
—— males and females; radioiodide space correlated with body wt., 424
—— ratio in granulomatous thyroiditis, 1202
—— ratio in hyperthyroidism+periodic paralysis in Japan, 1454
—— thirty-one men with female sex chromatin, 1429
SEXUAL
—— precocity due to IC tumor of testis, 291
—— precocity: *see also* Adrenal disorders
SIMMONDS' DISEASE: *see* Pituitary disorders, hypopituitarism
SKIN
—— exfoliative dermatitis as presenting sign of hypoparathyroidism, 1094, 1099
—— in myxedema, 1354
—— mucoprotein of, in myxedema, 925
—— pigmentation: *see also* Adrenal disorders (Addison's dis.); Pigment
—— pretibial myxedema & exoph. in euthyroid

SKIN (*cont.*)
patient; distrib. of I^{131}-triiodothyronine between normal & myx. skin, 1466
—— sex chromatin in: *see* Sex
—— xeroderma pigmentosum and goitrous cretinism, 151
SODIUM: *see also* Electrolytes
—— bicarbonate; effect on blood sugar response to insulin, 603
—— intake; effect on I^{127} and I^{131} metabolism in cirrhosis, 1229
—— of serum, in congen. adrenal hyperpl. with intratestic. adrenal tissue, 1245
—— sodium-retaining aldosterone in toxemia of pregnancy, 473
—— sodium-retaining substances: *see also* Adrenal preps. & comps. (aldosterone, etc.)
—— tolbutamide, i.v., in acute studies, 1124
SPECIES
—— bovine *vs.* human 11β-hydroxylation of DOC by adrenal homogenates, 933
—— difference in biologic activity of 17α-OH-progesterone, 667
—— different strains of mice; effect on assays of human urinary gonadotropins, 805
—— vertebrates; gonadal ontogenesis, 703
SPLANCHNOMEGALY in case of gigantism+acromegaly, 377
SPERMATOZOA: *see* Testis
SQUIBB FELLOWSHIP: *see* Endocrine Society, awards
STAINS: *see* Dyes; Methods
STERILITY: *see* Menstruation; Ovary; Pregnancy; Testis
STEROIDS
—— aldosterone: *see* Adrenal preps. & comps.
—— all-glass extractor for removal of, from urine, 673
—— androgens: *see* Androgens
—— compact apparatus for ascending paper chromatography of, 1476
—— corticoids; corticosteroids: *see also* Adrenal preps. & comps.
—— cortisone: *see* Adrenal preps. & comps.
—— determination of: *see also* Methods
—— estrogens: *see* Estrogens
—— ketosteroids, urinary; excretion patterns of, in congen. ad. hyperplasia, 1181
—— mixed with α-ketols; special considerations in use of blue tetrazolium in measurement of, 889
—— 19-nor steroids; progestational activity of, in oophorect'd women, 1252
—— 11-oxygenated 17-ketogenic, urinary; determination of, 116
—— pregnanediol: *see* Pregnanediol; Pregnancy
—— pregnanetriol: *see* Pregnanetriol
—— progesterone: *see* Progesterone
—— resembling progesterone; biologic activity of, 658
—— steroid-glucuronide formation; defect in; clin. syndrome, 1485
—— urinary; influence of meprobamate on estimation of, 914
—— urinary, studied by tritium cholesterol, 337
STEROIDS (*cont.*)
17-KETOSTEROIDS
—— and 17-ketogenic steroids; influence of meprobamate on estimation of, 914
—— and 17-OHCS; effect of triiodothyronine on response to ACTH in myxedema, 1347
—— and 17-OHCS, urinary, correlated with uropepsin excretion, 165
—— and the metabolism of 1-dehydro-17-OHCS, 395
—— androsterone and DHA of plasma, 1051
—— C^{14}-17-KS; conversion of 4-C^{14}-cortisol to, 437
—— conjugated, of human urine, 534
—— excretion restress & aging, 326
—— excretion; effect of fluorohydrocortisone on, in Klinefelter's syn., 989
—— excretion in adrenocort. ca. with gynecomastia, 945
—— excretion in anorexia nervosa, 766
—— excretion in chronic asthenia, 519
—— in congen. adrenal hyperpl. with intratestic. adrenal tissue, 1245
—— neutral; renal clearance of, 238
—— urinary, in Cushing's syn.; effect of ACTH and fluorohydrocortisone on, 621
—— urinary, in pregnant addisonian, 1478
—— urinary; in study of metab. of prednisolone-C^{14} and cortisol-C^{14}, 1040
STRESS
—— anxiety; effect on aldosterone excretion, 1005
—— anxious subjects; adrenocort. funct. in, 760
—— gastrectomy, burns, terminal cancer, ACTH; potentially active plasma AC-steroids in, 1158
—— in relation to diurnal excretion of 17-KS, 326
—— states; excretion of epinephrine & nor-epi. in, 608
STRUMA: *see* Thyroid disorders
SUBJECT INDEX to Vol. 17, 1507
SUCKLING: *see* Breast; Pregnancy
SUGAR: *see* Carbohydrate metabolism; Diabetes mell.; Insulin
SULFONYLUREAS
—— sulfonylurea by mouth; the hypoglycemic response to insulin after, 603
—— tolbutamide i.v.; use of, in acute studies, 1124
SULFUR: *see* Methimazole; Thio compounds; Sulfonylureas
SURGERY
—— corticosteroid response to; effect of testosterone & of blood transfusion, 1460
—— effect of operation on magnesium balance, 1407
—— gastrectomy; effect on potentially active plasma AC-steroids, 1158
—— of pituitary in treatment of exoph. of Graves' disease, 1277
—— of thyroid and anesthesia; effect on PBI^{131}, 76
—— of thyroid; the disturbance in iodine metabolism prod'd by, 483

SURGERY (*cont.*)
—— surgical data in 20 cases of Riedel's struma, 201
—— surgical parathyroid damage; mechanism of effect on serum Ca & P, 386
—— surgical states and adrenal function, 296
—— surgical stress: *see also* Stress
SYMPOSIA: *see* Announcements
SYNDROMES: *see also* various endocrine disorders
—— adrenogenital: *see* Adrenal disorders
—— associated with defect in steroid glucuronide formation, 1485
—— Cushing's: *see* Cushing's syndrome
—— familial: *see* Familial
—— Klinefelter's; possible relation of true hermaphrodism to, 1002
—— Klinefelter's; studied by fluorohydrocortisone suppression of adrenals, 989
—— Klinefelter's: *see also* Testis; Sex
—— Turner's syndrome and Laurence-Moon-Biedl syndrome in siblings, 985
SYNERGISM and strain differences in the assay of urinary gonadotropins, 805

TAPAZOLE: *see* Methimazole
TEACHING CLINICS, 143, 565
TELEPAQUE: *see* Iodine
TEMPERATURE
—— basal body, foll'g admin. of 17α-OH-progesterone, 1237
—— pyrogenic effect of etiocholanolone, 451
TESTIS: *see also* Androgens; Gonadotropins; Hermaphrodism; Steroids
—— alterations of, in hepatic cirrhosis, 1017
—— at autopsy, in case of gigantism+acromegaly, 377
—— chromosomal sex: *see also* Sex
—— disorders secondary to hypopituitarism: *see* Pituitary disorders
—— genetic sex; hermaphrodism; Klinefelter's syn.; chromatin patterns, 676
—— hypogonadotropic eunuchoids; sex chromatin in, 1429
—— in Laurence-Moon-Biedl syn., 985
—— in myxedema, 1354
—— interstitial-cell tumor of, causing sexual precocity, 291
—— intratesticular adrenal tissue; hyperplasia of, assoc'd with congen. adrenocort. hyperplasia, 1245
—— Klinefelter's syndrome studied by fluorohydrocortisone suppression of adrenal, 989
—— male hermaphrodism; pseudomales; Klinefelter's syndrome, 737
—— males; daily fluct. of PBI in, 849
—— man without testicular or adrenal tissue; excretion of AC-steroids foll'g admin. of ACTH & fluorocortisone, 407
—— normal males; plasma androsterone & DHA in, 1051
—— precocious puberty: *see* Puberty
—— preparations and compounds: *see* Androgens; Steroids
—— pseudohermaphrodism: *see also* Hermaphrodism
TESTIS (*cont.*)
—— seminiferous tubule dysgenesis and other disorders; sex chromatin pattern in, 703
—— sex chromatin and intersex, 454
—— sperm count in adrenocort. ca. with gynecomastia, 945
—— spermatic vein blood; identif'n of testosterone in, 465
—— stimulation of, by gonadotropins: *see also* Gonadotropins
—— thirty-one men with female sex chromatin; somatropic & genital measurements; psychosexual behavior, 1429
—— true hermaphrodism in relation to Klinefelter's syn.; sex chromatin pattern, 1002; sex chromatin pattern, 703
—— sterility; types of, 737
TESTS: *see also* Methods
—— ACTH test: *see* Pituitary preps. & comps., ACTH
—— cytologic (chromatin) for genetic sex: *see* Sex
—— for pregnancy; effect of re-use of *Rana p.* on accuracy of, 1088
—— for Pregnancy: *see also* Pregnancy
—— for thyroid function: *see also* Thyroid; Iodine, radioactive
—— glucose tolerance: *see* Carbohydrate metabolism
—— insulin tolerance: *see* Insulin
—— test for qual. and quant. estim. of pregnanetriolone, 1063
—— tolbutamide tolerance test, 1124
—— uracil tolerance test in study of pyrimidine metab. in diabetes, 1071
TESTOSTERONE and compounds: *see* Androgens; Steroids
TETANY: *see* Calcium; Parathyroid disorders
TETRAHYDRO A and S: *see* Adrenal preps. & comps.
TETRAHYDROCORTISOL (THF); TETRAHYDROCORTISONE (THE): *see* Adrenal preps. & comps.
THIOCYANATE
—— effect on accum'd I^{131} in thyroid gland of a goitrous cretin, 441
—— effect on thyroidal I^{131} in sporadic hypothyroidism with goiter, 645
—— potassium; in study of effect of amphenone on thyroid function, 1131
THIOURACIL: *see also* Thyroid
—— propylthiouracil; effect on erythrocyte uptake of I^{131}-triiodothyronine, 33
THYMUS: Can radiation of thymus in childhood cause thyroid cancer? 1383
THYROID
DISORDERS
—— cancer; hormonal treatment of; relationship of TSH, 232
—— cancer in children; I^{131} thyroid function studies in, 61
—— cancer; is radiation in childhood a cause? 1383
—— cancer; pulmonary metast. treated by I^{131}; pneumonitis & fibrosis as complics., 1263
—— cancer; study & treatment of, with radioiodine: *see also* Iodine, radioactive

THYROID (*cont.*)
DISORDERS (*cont.*)
—— endemic goiter in Venezuela studied with I^{131}, 99
—— goiter and cretinism; any relation to thyroid deficiency? 801, 803
—— goiter and cretinism: *see also* Thyroid disorders, hypothyroidism
—— goiter and hypothyroidism, familial; metab. of 3:3′-Th in, 1324
—— goiter, congenital, with high SPI & mono- & diiodotyrosine in serum, 817
—— goiter; serum BEI *vs.* SPI in man, 1373
—— Hashimoto's disease; auto-immunity in; implications, 1293
—— Hashimoto's disease; precipitins *vs.* thyroglobulin in, 1141
—— hyperthyroidism and hypothyroidism: *see* separate category for each
—— nodular nontoxic goiter; chromatographic study of thyroidal I metab. in, 1313
—— nontoxic goiter; effect of anesthesia & surgery on PBI^{131} in, 76
—— nontoxic goiter treated surgically; effect on I metab., 483
—— small-cell malignant lesions of the thyroid; struma lymphomatosa *vs.* carcinoma, 45
—— thyroiditis (granulomatous; De Quervain's), 1202
—— thyroiditis, invasive fibrous (Riedel's struma), 201
—— thyroiditis, subacute; chronology studied by I^{131}, 1448
Hyperthyroidism (*exophthalmic goiter, Graves' disease, thyrotoxicosis, toxic adenoma*)
—— and periodic paralysis in Japan; effect of thyroidectomy, 1454
—— antithyroid drugs: *see also* Methimazole; Thiouracil
—— basal metabolism: *see also* Basal Metabolism
—— defense of the BMR (Editorial), 797
—— during triiodothyronine therapy in euthyroid patient with exoph. & pretibial myxedema, 1466
—— effect of amphenone on thyroid function in, 1131
—— effect of Priodax on thyroid function tests in, 82
—— effect of TSH on plasma patterns of thyroid hormones in, 1332
—— erythrocyte uptake of I^{131}-triiodothyronine in; effect of therapy, 33
—— exophthalmos of Graves' dis.; clin. progress in treat. of, including pituitary surgery, 1277
—— exophthalmos: *see also* Eyes
—— Graves' disease; I^{133} in treatment of, 1222
—— in association with gran. thyroiditis, 1202
—— in children; I^{131} thyroid function studies in, 61
—— iodine in treatment of: *see also* Iodine
—— metabolism of 3:3′-diiodothyronine in, 1324

THYROID (*cont.*)
DISORDERS (*cont.*)
Hyperthyroidism (*cont.*)
—— mucoprotein of serum; effect of thyroidectomy on, 1422
—— protein-bound iodine (PBI) of serum in: *see also* Iodine
—— radioiodide space; correlation with body wt. in, 424
—— radioiodine; metabolic values in, *vs.* in nontoxic goiter treated surgically, 483
—— serum BEI *vs.* SPI in, 1373
—— tests for thyroglobulin precipitins in serum, 1293
—— thiouracil therapy: *see* Thiouracil
—— thyroidal change rate (8–48 hours) as index of, 126
—— thyroidal uptake of I^{131} in, *see also* Iodine, radioactive
—— thyroid-stimulating, or thyrotropic hormone (TSH): *see also* Pituitary preps. & comps., TSH
—— thyrotoxicosis co-existent with Addison's disease, 143
—— thyrotoxicosis; quant. effect of TSH on thyroidal secretion rate in, 1030
—— x-radiation of I^{131} therapy; relationship to carcinogenesis, 1383
Hypothyroidism (*cretinism, myxedema*)
—— and congen. goiter; high SPI and also tyrosines in serum, 817
—— cretinism, endemic; has it any relation to thyroid deficiency? 801, 803
—— cretinism, sporadic goitrous, in xeroderma pigmentosum, 151
—— cretinous children; thyro-pit. relationships in, 842
—— defense of the BMR (Editorial), 797
—— effect of thyroid therapy on urinary bladder in, 884
—— goitrous cretin; exchangeable character of accum'd I^{131} in thyroid, 441
—— hypometabolism, nonmyxedematous; turnover of I^{131}-labeled thyroxine after i.v. infusion, 1365
—— hypotonia of gall bladder in; effect of thyroid, 133
—— in children; I^{131} thyroid function studies in, 61
—— metabolism of *l*-diiodotyrosine in, 654
—— mucoprotein of serum; effect of triiodothyronine on, 1422
—— myxedema; adrenocort. function in, 1347
—— myxedema, adult; pathologic changes in; 10 necropsies, 1354
—— myxedema foll'g gran. thyroiditis, 1202
—— myxedema foll'g treat. of Graves' dis. with I^{133}, 1222
—— myxedema; histogenesis of, 925
—— myxedema; metabolic effects of i.v. triac in, 328
—— myxedema; *l*-triiodothyronine & N balance; effect of testosterone, 221

THYROID (*cont.*)
DISORDERS (*cont.*)
Hypothyroidism (*cont.*)
—— nongoitrous cretinoid adult with normal SPI & I^{131} uptake, amenorr. & bony deforms.; circ'g iodoproteins in, 1141
—— PBI of serum: *see also* Iodine
—— pretibial myxedema in a euthyroid patient; effect of triiodothyronine on thyroid secretion rate in, 1466
—— serum BEI *vs.* SPI, 1373
—— serum PBI depressed by testosterone in absence of, 854
—— sporadic hypothyroidism assoc'd with goiter; defect in metab. of thyroid hormones, 645
—— thyroglobulin precipitins in serum, 1293
—— thyroidal uptake of I^{131}: *see also* Iodine, radioactive
—— treatment of, with thyroid compounds: *see also* Thyroid preps. & comps.
—— with goiter; metab. of 3:3′-diiodothyronine in, 1324
PHYSIOLOGY & PATHOLOGY
—— early extrathyroidal I^{131} space; correlation with body wt., 424
—— exchangeable character of accum'd I^{131} in, 441
—— function; effects of amphenone on, 1131
—— function; effects of phenylbutazone & related analogue (G 25671) upon, 416
—— function in anorexia nervosa, 766
—— function in mongoloid subjects & parents, 552
—— function in nonmyx. hypometabolism, 1365
—— function; serum BEI as test for, 1373
—— function; studies of: *see also* Iodine, radioactive; Pituitary preps. & comps, TSH
—— goiter surgery with parathyroid damage; mechanism of effect on serum Ca & P, 386
—— hormone: *see also* Thyroid, preps. & comps.
—— I^{131} uptake; effect of neck scatter on *in vivo* measurement of, 966
—— I^{131} uptake; effect of Telepaque on, 1008
—— I^{131} uptake *vs.* change rate as index of thyroidal activity, 126
—— in granulomatous thyroiditis, 1202
—— in myxedema (10 necropsies), 1354
—— intact thyroid; active iodine stores & daily hormonal output of, 832
—— nodules *vs.* paranodular tissue; distrib. of I^{131}-labeled iodinated amino acids in, 1313
—— pathologic studies: *see also* Thyroid disorders
—— PBI of serum: *see* Iodine
—— radioiodine in study of: *see* Iodine, radioactive
—— secretion rate; effect of triiodothyronine on, in euthyroid patient with exoph. and pretibial myx., 1466
—— secretion rate; quant. effect of TSH on, 1030
—— thyroid-stimulating hormone (TSH): *see* Pituitary preps. & comps. (TSH)
—— thyro-pituitary relationships in cretins, 842
PREPARATIONS & COMPOUNDS
—— acetic-acid analogues of thyroxine & triiodothyronine; effect of TSH on plasma patterns of, 1332
—— desicc. thyroid; effect on mucoproteins of skin in myxedema, 925
—— desicc. thyroid; effect on the hypotonic gall bladder of myxedema, 133
—— desicc. thyroid in treatment of thyroid cancer, 232
—— 3:3′-diiodothyronine; metabolism of, in man, 1324
—— *l*-diiodotyrosine in hypothyroidism, 654
—— hormonal output and active iodine stores, 832
—— hormone, circ'g; effect of bilat. oophorectomy on, 561
—— hormones; defect in metab. of in sporadic hypothyroidism with goiter, 645
—— hormones; plasma patterns of; effect of TSH on, 1332
—— I^{131} in study of: *see also* Iodine, radioactive
—— iodoproteins of serum (incl. precipitins *vs.* thyroglobulin) in nongoitrous cretinoid adult with amenorr., bony deforms. & normal SPI & I^{131} uptake, 1141
—— mono- and diiodotyrosine and high SPI in serum in congen. goiter, 817
—— mono- and diiodotyrosine and thyroxine; thyroidal metab. of in nontoxic nodular goiter, 1313
—— thyroid-specific precipitating auto-antibodies, 1293
—— thyroid therapy; effect on urinary bladder in hypothyroidism, 884
—— *l*-thyroxine and *l*-triiodothyronine, I^{131}-labeled; factors affecting binding by erythrocytes, 1305
—— thyroxine, I^{131}-labeled, i.v.; periph. metab. of in nonmyx. hypometabolism, 1365
—— triiodothyroacetic acid i.v.; metabolic effects in myxedema, 328
—— *l*-triiodothyronine and N balance in myxedema; effect of testosterone, 221
—— triiodothyronine and thyroid therapy; effect on serum TSH in cretinism, 842
—— triiodothyronine and thyroxine, labeled, in mongolism; thyroidal & erythrocytic uptakes, 552
—— triiodothyronine; effect on 17-OHCS & 17-KS response to ACTH in myxedema, 1347
—— triiodothyronine; effect on serum mucoprotein in myxedema, 1422
—— triiodothyronine; effect on thyroidal se-

THYROID (*cont.*)
PREPARATIONS & COMPOUNDS (*cont.*)
cretion rate in euthyroid patient with exoph. & pretibial myxedema; distrib'n in skin, 1466
—— triiodothyronine, thyroxine and desicc. thyroid in treat. of exoph. of Graves' disease, 1277
—— triiodothyronine-I^{131} uptake by RBC; new method for study of, 33
THYROIDITIS: *see* Thyroid disorders
THYROID-STIMULATING HORMONE (TSH); THYROTROPIN: *see* Pituitary preps. & comps., TSH
THYROTOXICOSIS: *see* Thyroid disorders, hyperthyroidism
THYROTROPIC HORMONE (TSH): *see* Pituitary preps. & comps., TSH
THYROXINE: *see* Thyroid preps. & comps.
TISSUES: *see also* under specific organ or secretion involved
—— ascitic fluid; conjug'd 17-OHCS in, 1395
—— cervical and vaginal smears; cyclic changes in: *see* Menstruation; Ovary; Uterus
—— connective-tissue changes in myxedema, 925, 1354
—— distribution of I^{131} in: *see* Iodine, radioactive
—— distribution of radioactive substances in: *see* Radioactive
—— nuclear chromatin in det'n of genetic sex: *see* Sex, chromatin
—— saliva: *see* Saliva
TOLBUTAMIDE (sodium) intravenously, in acute studies, 1124
TOXEMIA of pregnancy: *see* Pregnancy
TOXIC ADENOMA; TOXIC GOITER: *see* Thyroid disorders, hyperthyroidism
TRIIODOTHYROACETIC ACID (TRIAC): *see* Thyroid preps. & comps.
TRIIODOTHYRONINE: *see* Thyroid preps. & comps.
TRITIUM CHOLESTEROL as a tracer in man, 337
TRYPAN BLUE: *see* Dyes
TSH: *see* Pituitary preps. & comps., TSH
TUMORS: *see also* Cancer; and under organ or therapy involved
—— adrenal: *see* Adrenal disorders; and Cushing's syndrome
—— eosinophilic granuloma treated with ACTH, 994
—— function of, studied by radioiodine: *see* Iodine, radioactive
—— goiter: *see* Thyroid disorders
—— interstitial-cell: *see* Testis
—— malignant, of the thyroid: *see* Thyroid disorders
TURNER'S SYNDROME: *see* Syndromes
TYROSINES: *see* Thyroid preps. & comps.

ULCER: *see* Gastro-intest. tract
UMBILICAL CORD: *see* Pregnancy
UNITED NATIONS Scientific Committee on Effects of Atomic Radiation; statement, 592
UPJOHN SCHOLAR: *see* Endocrine Society, awards
URACIL tolerance test in study of pyrimidine metab. in diabetes, 1071
URINARY BLADDER; effect of thyroid therapy on tone & contractility of, in hypothyroidism 884
URINE: *see also* Kidney; Urinary bladder
—— and blood: det'n of ACTH in, by modified oxycellulose method, 512
—— adrenocortical metabolites: *see* Adrenal preps. & comps.
—— androgens: *see* Androgens; Steroids
—— calcium: *see* Calcium; Electrolytes; Parathyroids
—— chloride: *see* Electrolytes; Sodium
—— chorionic gonadotropin: *see* Gonadotropins; Pregnancy
—— corticosteroids (corticoids): *see* Adrenal preps. & comps.
—— diabetes insipidus: *see* Pituitary disorders
—— diiodotyrosine in: *see* Thyroid preps. & comps.
—— diuresis: *see* Kidney; Pituitary disorders (diabetes insip.) and preps. & comps. (post. lobe)
—— electrolytes: *see* Electrolytes
—— epinephrine & norepinephrine: *see* Adrenal preps. & comps.
—— estrogens: *see* Estrogens; Steroids
—— FSH: *see* Gonadotropins
—— glucose: *see* Carbohydrate metabolism; Diabetes mell.; Insulin
—— gonadotropins: *see* Gonadotropins
—— improved extraction apparatus: *see* Methods
—— in pregnancy: *see* Gonadotropins, chorionic; Pregnancy; Pregnanediol
—— iodine compounds: *see* Iodine; and Thyroid preps. & comps.
—— 17-ketosteroids: *see* Steroids, 17-KS
—— methods for det'n of constituents: *see* Methods; Tests
—— nitrogen: *see* Nitrogen; Protein
—— phosphorus: *see* Phosphorus
—— potassium: *see* Potassium; Electrolytes
—— pregnanediol: *see* Pregnanediol
—— pregnanetriol: *see* Pregnanetriol
—— radioactive compounds: *see* Iodine, radioactive; and Radioactive
—— renal function: *see* Kidney
—— sodium: *see* Sodium; Electrolytes
—— steroids: *see* Steroids
—— sugar: *see* Carbohydrate metabolism; Diabetes mell.; Insulin
UROPEPSIN: *see* Enzymes
UTERUS & VAGINA: *see also* Menstruation; Ovary; Pregnancy
—— cervical carcinoma; effect of large i.v. doses of progesterone on gonadotropin excretion in, 754
—— endometrial and cervical mucus; fern patterns in, foll'g admin. of 17-OH-progesterone, 1237
—— endometrial glycogen; studies of, 261
—— endometrial pattern; relation to estrogen excretion in normal postmenopausal women, 1440
—— endometrium; excessive stimulation of, in women with cirrhosis, 1017

UTERUS & VAGINA (*cont.*)
—— endometrium; progestational activity of 17-hydroxyprogesterone, 667
—— endometrium; progestational activity of 19-nor steroids in oophorect'd women, 1252
—— endometrium; progestation activity of progesterone & similar compounds: *see also* Progesterone
—— menstruation: *see* Menstruation
—— pregnancy: *see* Pregnancy
—— secretory *vs.* prolif. endometrium in relation to conversion of progesterone to pregnanediol, 595
—— umbilical cord blood; BEI of, 1373
—— vaginal smears: *see also* Estrogens; Menstruation; Ovary

VAGINA: *see* Uterus & Vagina
VAN METER Prize Award: *see* American Goiter Association
VASCULAR SYSTEM: *see also* Blood; Heart
—— blood pressure in 12 cases of Cushing's syn. without AC-tumor treated by x-rays to pituitary, 8
—— hypertension induced by fluorohydrocortisone, 272
—— hypertension, portal; antidiuretic activity of blood in, 1081
—— pulmonary and renal lesions of, in cirrhosis, 1017
VASOPRESSIN: *see* Pituitary preps. & comps. (post. lobe)
VENEZUELA; endemic goiter in, studied with I^{131}, 99
VIRILISM
—— adrenogenital syndrome: *see* Adrenal disorders
—— associated with adrenal disease: *see* Adrenal disorders: and Cushing's syndrome
—— pseudohermaphrodism: *see* Hermaphrodism
VIRILISM (*cont.*)
—— virilizing adrenal hyperplasia treated with prednisone; metabolic balance study, 364
VITAMIN
—— A therapy in xeroderma pigmentosum plus goitrous cretinism, 151
—— D, in relation to Ca and P metabolism, 1105
—— D_2 and AT-10 in treatment of exfol. dermatitis with hypoparathyroidism, 1094, 1099
—— scorbutic bone, 1105

WATER: *see also* Kidney; Urine
—— antidiuretic hormone: *see* Pituitary preps. & comps. (post. lobe)
—— diabetes insipidus: *see* Pituitary disorders
—— intoxication in psychogenic polydipsia treated with Pitressin, 565
—— metabolism after hypophysectomy in man, 346, 356
—— metabolism in diabetes insipidus foll'g buccal Pitressin, 445
WEIGHT: *see also* re various endocrinopathies
—— body, correlated with early extrathyroidal I^{131} space, 424
—— body; in 12 cases of Cushing's syn. without AC-tumor treated by x-rays to pituitary, 8
WILSON'S DISEASE: *see* Liver

X-RAY: *see* Roentgen ray
XERODERMA PIGMENTOSUM: *see* Skin

ZIMMERMANN reaction; use of an organic base in, 331
ZINC-ACTH; response of plasma 17-OHCS to, 390